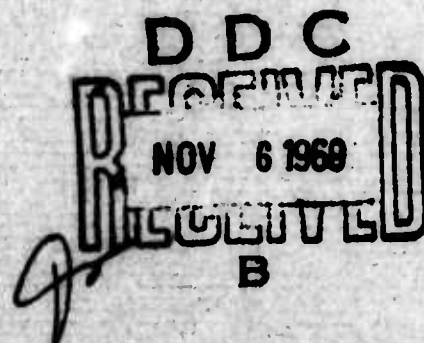


# Table of Salvo Kill Probabilities for Square Targets

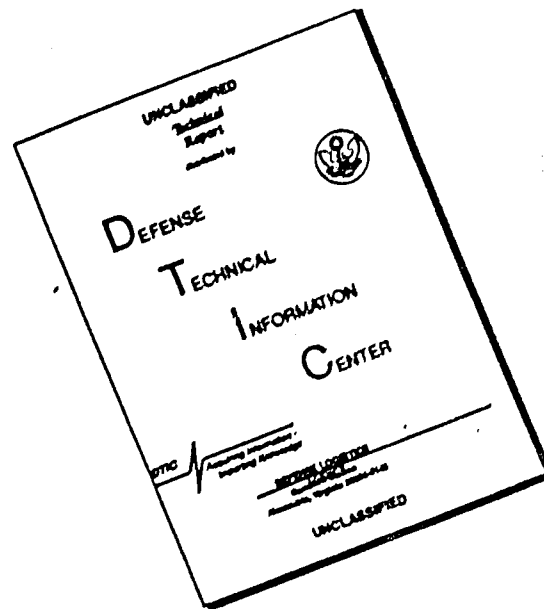


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NATIONAL BUREAU OF STANDARDS • A. V. Astin, *Director*

# **Table of Salvo Kill Probabilities for Square Targets**



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## Preface

In modern planning, predicted performance of programs, integrated operations, and individual pieces of equipment play an important role. This is particularly true of those defense items associated with the general problem of hitting a target.

The table of salvo kill probabilities for square targets presented herein was prepared by the National Bureau of Standards Institute for Numerical Analysis, Los Angeles, at the request of North American Aviation, Inc., and with the support of the Flight Research Laboratory, Air Research and Development Command, United States Air Force. However, it should be useful to other organizations engaged in such operations as operation analysis, strategic planning, engineering, and field-test activities, as well as missile-development programs. Hence, following the initial preparation of a small number of copies to meet the needs of the immediate requester, formal publication seemed warranted to make the results more widely available. Although the terminology and notations used are specifically directed to the defense problem, the results are not limited to that field.

A. V. ASTIN, *Director.*

May 28, 1954.]

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Table of $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$ : $P_K = .1, .4, .7, 1.0$ ; $y_0 = 0, a, 2a, 4a, 7a, 11a, 16a, 22a$ ; $\sigma_R, \sigma_A = a, 2a, 4a, 7a, 11a, 16a, 22a$ ; $N = 1, 5, 10, 25, 50, 100, 150, 200$ .....	1

# 1. Introduction

## 1.1 Mathematical Formulation

In the problem of aiming a weapon to hit a target, two errors, assumed to be independent, are considered. One is the dispersion of the missile fired. It is a function of the ballistic characteristics of the particular missile and of the meteorological conditions existing at the time and place of release. It may well be considered as a random error. In this treatment of the subject, the  $x$  and  $y$  errors are assumed to be independently normally distributed with center at the point of aim and a standard deviation of  $\sigma_{R_x}$  and  $\sigma_{R_y}$  in  $x$  and  $y$  directions, respectively.

The aiming error is the second error affecting the results. The  $x$  and  $y$  components of the aiming error also are assumed to be independently normally distributed with center at  $(x_0, y_0)$  and standard deviation of  $\sigma_{A_x}$  and  $\sigma_{A_y}$ , respectively. For a particular salvo, the effect of this aiming error is definitely biased in some direction. Hence we may refer to this error as a systematic error.

Assume a square target of side  $2a$  whose center is at the origin and whose sides are parallel to the coordinate axes. In this case the probability of hitting the target by a missile aimed at  $(\xi, \eta)$  is

$$P_R(\xi, \eta) = \frac{1}{2\pi\sigma_{R_x}\sigma_{R_y}} \int_{-a}^a \int_{-a}^a \exp\left[-\frac{1}{2} \frac{(x-\xi)^2}{\sigma_{R_x}^2} - \frac{1}{2} \frac{(y-\eta)^2}{\sigma_{R_y}^2}\right] dx dy. \quad (1)$$

Let  $P_K$  be the probability that one missile destroys the target or makes it useless. If  $N$  missiles aimed at  $(\xi, \eta)$  are fired in salvo and if they act independently, the probability that the target will be destroyed is

$$Q(\xi, \eta) = 1 - [1 - P_K P_R(\xi, \eta)]^N. \quad (2)$$

This will be called the salvo kill probability of missiles aimed at  $(\xi, \eta)$ .

In practice, one does not know the true aim point  $(\xi, \eta)$ . We have assumed the aiming distribution to be normal with center at  $(x_0, y_0)$ . Therefore, the salvo kill probability of  $N$  missiles released in salvo is, under the above assumptions,

$$P_{SK} = \frac{1}{2\pi\sigma_{A_x}\sigma_{A_y}} \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} Q(\xi, \eta) \exp\left[-\frac{1}{2} \frac{(\xi-x_0)^2}{\sigma_{A_x}^2} - \frac{1}{2} \frac{(\eta-y_0)^2}{\sigma_{A_y}^2}\right] d\xi d\eta. \quad (3)$$

The quantity  $P_{SK}$  is a function of the parameters  $x_0, y_0, \sigma_{A_x}, \sigma_{A_y}, \sigma_{R_x}, \sigma_{R_y}$ , and  $N$ .

In practical applications one seldom has targets of fixed shapes, i. e., squares, rectangles, circles, oblongs, etc. Hence the choice of target shape is quite arbitrary. The orientation of the target relative to the center of the aiming point will certainly affect the result. However, it is believed that conclusions based on application of these probabilities will be insensitive to the precise orientation of the target relative to the point of aim. Consequently, we have assumed the square target is always oriented so that one of its sides is normal to the line joining the center of the target with the center of the aiming distribution. Thus  $x_0$  is taken to be zero in the tabulation presented herein, also, the distributions were assumed to have equal variances for  $x$  and  $y$ , i. e.,

$$\left. \begin{aligned} \sigma_R &= \sqrt{\sigma_{R_x}^2 + \sigma_{R_y}^2} = \sigma_{R_x} \sqrt{2} = \sigma_{R_y} \sqrt{2} \\ \sigma_A &= \sqrt{\sigma_{A_x}^2 + \sigma_{A_y}^2} = \sigma_{A_x} \sqrt{2} = \sigma_{A_y} \sqrt{2} \end{aligned} \right\} \quad (4)$$

## 1.2 Numerical Analysis

Under the above assumptions the expression for  $P_R(\xi, \eta)$  as given in (1) can be simplified. Define

$$f(x) = \frac{1}{\sqrt{2\pi}} \int_0^x e^{-\frac{1}{2}u^2} du. \quad (5)$$

Then  $P_R(\xi, \eta)$  may be written as

$$P_R(\xi, \eta) = \left[ f\left(\frac{a-\xi}{\sqrt{2}\sigma_R/2}\right) + f\left(\frac{a+\xi}{\sqrt{2}\sigma_R/2}\right) \right] \left[ f\left(\frac{a-\eta}{\sqrt{2}\sigma_R/2}\right) + f\left(\frac{a+\eta}{\sqrt{2}\sigma_R/2}\right) \right]. \quad (6)$$

Numerical integration of  $P_{SK}$  (eq 3) may be accomplished as follows:

A grid of squares, each side of which is  $a/n$ , is superimposed on the coordinate system as shown in figure 1. Denote by  $(\xi_i, \eta_j)$  the center of square  $T_{ij}$ , whose vertices are  $((i-1)a/n, (j-1)a/n)$ ,  $((i-1)a/n, ja/n)$ ,  $(ia/n, (j-1)a/n)$ , and  $(ia/n, ja/n)$ .

Let  $n$  be chosen such that  $Q(\xi, \eta)$  may be approximated by  $Q(\xi_i, \eta_j)$  for  $ia/n \leq \xi \leq (i+1)a/n$  and  $ja/n \leq \eta \leq (j+1)a/n$ . This assumes that the grid is sufficiently small, for the accuracy aimed at, to consider the salvo kill probability constant within the square  $T_{ij}$ . With this assumption the integral in (3) may be approximated by a double sum

$$P_{SK} \approx \sum_{i=-\infty}^{\infty} \sum_{j=-\infty}^{\infty} Q(\xi_i, \eta_j) \left[ \frac{1}{\pi \sigma_A^2} \iint_{T_{ij}} \exp\left[-\frac{(\xi-x_0)^2}{\sigma_A^2} - \frac{(\eta-y_0)^2}{\sigma_A^2}\right] dx dy \right]. \quad (7)$$

The term in the brackets represents the probability that the point of aim will lie in grid  $T_{ij}$ .

This term denoted by  $P_A(i, j)$  may be written as

$$P_A(i, j) = \left[ f\left(\frac{(i+1)a/n - x_0}{\sqrt{2}\sigma_A/2}\right) - f\left(\frac{ia/n - x_0}{\sqrt{2}\sigma_A/2}\right) \right] \left[ f\left(\frac{(j+1)a/n - y_0}{\sqrt{2}\sigma_A/2}\right) - f\left(\frac{ja/n - y_0}{\sqrt{2}\sigma_A/2}\right) \right]. \quad (8)$$

Taking note of the existing symmetry, we obtain

$$P_{SK} \approx 2 \sum_{i=0}^{\infty} \sum_{j=0}^{\infty} Q(\xi_i, \eta_j) P_A(i, j). \quad (9)$$

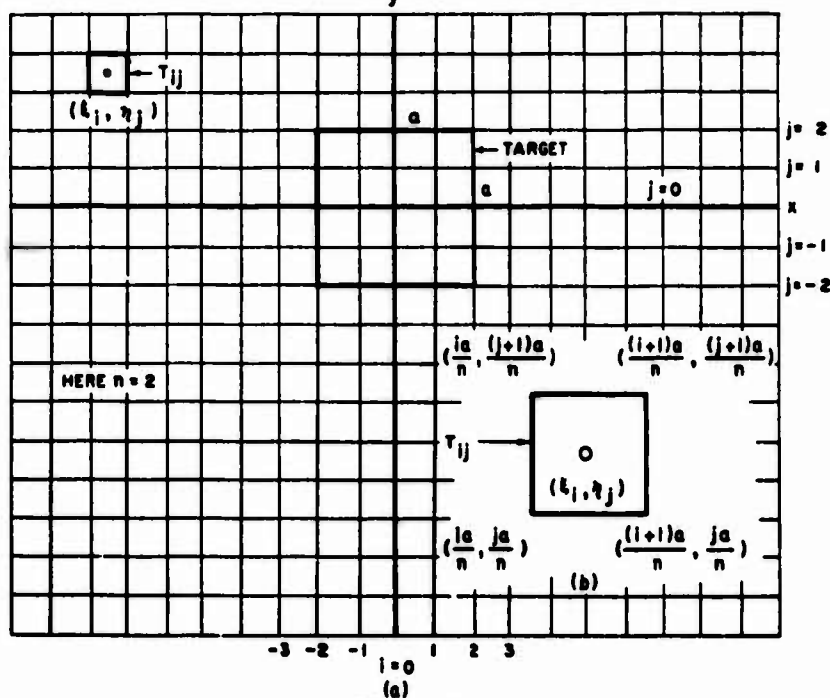


FIGURE 1.

In the associated tables the following conditions were assumed: (1) The random and systematic errors are each circular normal distributions with equal variances, and (2) the center of the aiming distribution is on the  $y$ -axis (i. e., at  $(0, y_0)$ ). Making use of these assumptions, the quantities required are

$$\left. \begin{aligned} P_R(\xi, \eta) &= \left[ f\left(\frac{a-\xi}{\sigma_R \sqrt{2/2}}\right) + f\left(\frac{a+\xi}{\sigma_R \sqrt{2/2}}\right) \right] \left[ f\left(\frac{a-\eta}{\sigma_R \sqrt{2/2}}\right) + f\left(\frac{a+\eta}{\sigma_R \sqrt{2/2}}\right) \right] \\ Q(\xi, \eta) &= 1 - [1 - P_R(\xi, \eta)]^N \\ P_A(i, j) &= \left[ f\left(\frac{(i+1)a/n}{\sigma_A \sqrt{2/2}}\right) - f\left(\frac{ia/n}{\sigma_A \sqrt{2/2}}\right) \right] \left[ f\left(\frac{(j+1)a/n - y_0}{\sigma_A \sqrt{2/2}}\right) - f\left(\frac{ja/n - y_0}{\sigma_A \sqrt{2/2}}\right) \right] \\ P_{RK}(P_R, y_0, \sigma_A, \sigma_R, N) &\approx 2 \sum_{i=0}^{\infty} \sum_{j=-\infty}^{\infty} Q(\xi, \eta) P_A(i, j) \end{aligned} \right\} \quad (10)$$

These equations were evaluated for the following values of the parameters:

$$\begin{aligned} P_R &= 0.1, 0.4, 0.7, 1.0 \\ y_0 &= 0, a, 2a, 4a, 7a, 11a, 16a, 22a \\ \sigma_R &= a, 2a, 4a, 7a, 11a, 16a, 22a \\ \sigma_A &= a, 2a, 4a, 7a, 11a, 16a, 22a \\ N &= 1, 5, 10, 25, 50, 100, 150, 200. \end{aligned}$$

### 1.3. Method of Computation

In order to solve eq (10) by modern high-speed computers, such as SWAC (Standards Western Automatic Computer), certain decisions and/or approximations must be made. The quantities  $P_R(\xi, \eta)$  and  $P_A(i, j)$  may be obtained from tabulated values of  $f(x)$ . Such a method is inefficient for SWAC solution. Consequently, a Chebyshev polynomial expansion was used to approximate  $f(x)$ . This polynomial is

$$f'(x) = a_0 + a_1 \xi + a_2 \xi^2 + \dots + a_{13} \xi^{13}; \quad \xi = (x-3)/3$$

and

$a_0 = 0.4986 \ 5021$	$a_7 = -0.2131 \ 8912$
$a_1 = 0.0133 \ 0987$	$a_8 = 0.3101 \ 6832$
$a_2 = -0.0598 \ 4802$	$a_9 = -0.0541 \ 0048$
$a_3 = 0.1590 \ 0224$	$a_{10} = -0.1812 \ 5824$
$a_4 = -0.2687 \ 2400$	$a_{11} = 0.0980 \ 5824$
$a_5 = 0.2751 \ 8080$	$a_{12} = 0.0369 \ 0496$
$a_6 = -0.0858 \ 9280$	$a_{13} = -0.0282 \ 6240$

This function differs from  $f(x)$  by a small amount. The error  $f(x) - f'(x)$  is shown in figure 2.

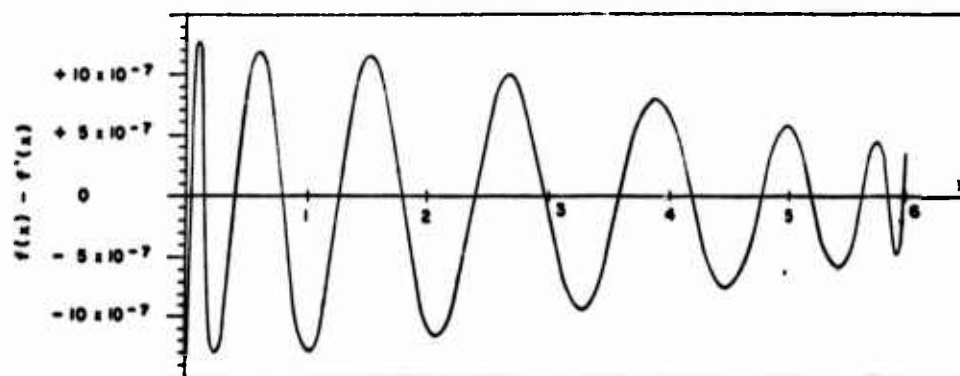


FIGURE 2. Graph of  $f(x) - f'(x)$ .



The grid size was chosen so that for the accuracy desired,  $Q(\xi, \eta)$ , could be considered constant within each member of the grid. This was accomplished by selecting a grid such that the value of  $P_{SK}$  was not changed (to the accuracy desired) when the grid size was doubled. Analysis of this method leads to the conclusion that the grid size depends primarily on  $\sigma_R$ . Numerical computation shows that the following choice of  $n$  would yield five decimal results, which would be unchanged by doubling  $n$ .

$\sigma_R$	$a$	$2a$	$4a$	$7a$	$11a$	$16a$	$22a$
$n$	8	4	3	2	1	$\frac{1}{2}$	$\frac{1}{2}$

Truncation is always a problem in numerical computation. In this problem the maximum contribution to the integral naturally comes from the center of the combined distribution. This center is located between the origin and  $(0, y_0)$  and depends on  $N$ , the number of missiles in the salvo. In the machine solution, SWAC was coded to search this area and the surrounding area until the contribution from each member of the grid fell below a specified limit. This limit was determined by computing  $P_{SK}$  for cases known to converge slowly, using a trial limit. This trial limit was halved until the difference of two successive values of  $P_{SK}$  was negligible. In this manner the limit of  $10^{-6}$  was determined.

Checking techniques are a must in numerical computation. Elementary analysis applied to the expression for  $P_{SK}$  (eq. 3) reduces the double integral to

$$P_{SK} = \left[ f\left(\frac{(x_0+a)\sqrt{2}}{\sigma}\right) - f\left(\frac{(x_0-a)\sqrt{2}}{\sigma}\right) \right] \left[ f\left(\frac{(y_0+a)\sqrt{2}}{\sigma}\right) - f\left(\frac{(y_0-a)\sqrt{2}}{\sigma}\right) \right],$$

where  $\sigma^2 = \sigma_A^2 + \sigma_R^2$  and  $N=1$ . Thus, the case  $N=1$  can be obtained directly from tabulated values of  $f(x)$ . This provides an excellent independent check for the SWAC solution.

Further analysis shows that  $P_{SK}$  approaches unity as  $N$  becomes infinite. This gives a qualitative check on the results. Another check was applied.  $P_{SK}$  for  $N=1, 5, 10, 25, 50, 100, 150, 200$  were obtained simultaneously by forming powers of  $[1 - P_K P_R]$ . To insure that the routine was forming the correct powers, several values of  $P_{SK}$  were computed by hand and compared with the corresponding machine solution. The agreement was excellent.

As a further check, the salvo kill probabilities,  $P_{SK}$ , were computed twice by SWAC. The agreement of the two sets of results represents a further assurance of correct computation. As a final check cards were punched from the galley proofs and compared with the original punched-card table.

Considering the methods applied, the selection of the grid, the truncation criteria, and the checks applied, we believe the tabular entries given herewith are correct to three decimals. The fourth decimal is in error by at most two units.

#### 1.4. Choice of Parameters

Many users will perhaps question the particular choice of parameters. A word of explanation is in order. In the use of high-speed computing equipment, especially on SWAC, memory storage space is at a premium. In order to have as much storage as possible the parameters were generated within SWAC rather than stored. This led to a choice of parameters that can be generated by elementary means.

#### 1.5. Interpolation

This table was designed to meet a specific purpose, and it was not intended to provide an interpolable table in the directions of  $y_0$ ,  $\sigma_R$ , or  $\sigma_A$ . The table would have to be enlarged many-fold to make it interpolable in all these directions. However, in certain regions, it is possible to interpolate in the  $P_K$  direction, for fixed values of the other parameters. The functions for  $N=1$  are, of course, linear in  $P_K$ . For  $N$  greater than one, the functions cease to be linear in  $P_K$ . The departure from linearity increases with  $N$ . Consequently, the accuracy of linear interpolation will decrease with increasing  $N$ .

The computation of a table of this magnitude represents the cooperation of several individuals, each of whom deserves much credit. E. C. Yowell gave considerable assistance in every phase of the task. Dan Teichroew was consulted on statistical matters pertinent to the preparation of the table. The coding and machine operation, under the general guidance of Roselyn Lipkis, were performed by Nan Reynolds and Shirley Marks. Hand computation of the numerous check values was performed by Marvin Howard and his staff. F. Hollander and Patricia Bremer and their punched card machine staff assisted in the preparation of the cards and the listing of results. Gertrude Blanch examined the table for interpolability and recommended the appropriate format.

ARNOLD D. HESTENES.

Los Angeles, Calif., April 2, 1953.

**Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$**

**$P_K = .1, .4, .7, 1.0$**

**$y_0 = 0, a, 2a, 4a, 7a, 11a, 16a, 22a$**

**$\sigma_R, \sigma_A = a, 2a, 4a, 7a, 11a, 16a, 22a$**

**$N = 1, 5, 10, 25, 50, 100, 150, 200$**

Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$ 

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.1	0	1	1	0.0465	0.2094	0.3694	0.6618	0.8553	0.9526	0.9759	0.9849
.1	0	1	2	.0223	.1065	.2014	.4283	.6693	.8848	.9572	.9820
.1	0	1	4	.0071	.0354	.0696	.1651	.3029	.5139	.6608	.7632
.1	0	1	7	.0025	.0124	.0248	.0609	.1181	.2222	.3141	.3951
.1	0	1	11	.0010	.0051	.0103	.0255	.0505	.0985	.1440	.1873
.1	0	1	16	.0004	.0024	.0049	.0122	.0243	.0480	.0711	.0937
.1	0	1	22	.0002	.0013	.0026	.0065	.0129	.0258	.0384	.0509
.1	0	2	1	.0223	.1025	.1854	.3551	.5015	.6240	.6803	.7145
.1	0	2	2	.0146	.0705	.1348	.2959	.4856	.6053	.7069	.8522
.1	0	2	4	.0061	.0303	.0597	.1425	.2641	.4563	.5966	.6903
.1	0	2	7	.0023	.0117	.0234	.0575	.1118	.2111	.2992	.3774
.1	0	2	11	.0010	.0050	.0100	.0249	.0493	.0962	.1408	.1832
.1	0	2	16	.0004	.0024	.0048	.0121	.0240	.0475	.0704	.0928
.1	0	2	22	.0002	.0013	.0025	.0064	.0129	.0256	.0382	.0507
.1	0	4	1	.0072	.0333	.0609	.1201	.1765	.2319	.2620	.2823
.1	0	4	2	.0061	.0298	.0575	.1202	.2201	.3361	.4060	.4520
.1	0	4	4	.0038	.0192	.0380	.0916	.1723	.3067	.4123	.4962
.1	0	4	7	.0019	.0096	.0191	.0472	.0921	.1752	.2503	.3181
.1	0	4	11	.0009	.0046	.0091	.0228	.0451	.0882	.1293	.1685
.1	0	4	16	.0004	.0023	.0046	.0115	.0230	.0455	.0674	.0889
.1	0	4	22	.0002	.0012	.0025	.0063	.0126	.0250	.0373	.0495
.1	0	7	1	.0025	.0116	.0213	.0424	.0630	.0840	.0958	.1040
.1	0	7	2	.0023	.0115	.0222	.0504	.0809	.1358	.1670	.1892
.1	0	7	4	.0019	.0096	.0190	.0460	.0873	.1582	.2163	.2646
.1	0	7	7	.0012	.0064	.0127	.0315	.0618	.1186	.1708	.2180
.1	0	7	11	.0007	.0037	.0074	.0184	.0365	.0716	.1052	.1376
.1	0	7	16	.0004	.0020	.0041	.0103	.0205	.0406	.0604	.0796
.1	0	7	22	.0002	.0011	.0023	.0059	.0118	.0235	.0351	.0465
.1	0	11	1	.0010	.0048	.0088	.0175	.0261	.0350	.0401	.0436
.1	0	11	2	.0010	.0049	.0095	.0216	.0374	.0588	.0728	.0820
.1	0	11	4	.0009	.0045	.0090	.0220	.0419	.0765	.1054	.1298
.1	0	11	7	.0007	.0037	.0073	.0182	.0359	.0602	.1002	.1291
.1	0	11	11	.0005	.0026	.0052	.0129	.0257	.0506	.0746	.0978
.1	0	11	16	.0003	.0016	.0033	.0083	.0166	.0330	.0490	.0648
.1	0	11	22	.0002	.0010	.0020	.0052	.0104	.0207	.0309	.0410
.1	0	16	1	.0004	.0022	.0042	.0083	.0124	.0167	.0191	.0208
.1	0	16	2	.0004	.0023	.0045	.0104	.0181	.0285	.0353	.0403
.1	0	16	4	.0004	.0023	.0045	.0111	.0212	.0388	.0536	.0662
.1	0	16	7	.0004	.0020	.0041	.0102	.0200	.0388	.0563	.0727
.1	0	16	11	.0003	.0016	.0033	.0083	.0165	.0326	.0482	.0633
.1	0	16	16	.0002	.0012	.0024	.0061	.0122	.0243	.0362	.0479
.1	0	16	22	.0001	.0008	.0017	.0042	.0085	.0169	.0253	.0336
.1	0	22	1	.0002	.0012	.0022	.0044	.0066	.0088	.0101	.0110
.1	0	22	2	.0002	.0012	.0024	.0055	.0096	.0152	.0189	.0215
.1	0	22	4	.0002	.0012	.0024	.0060	.0115	.0211	.0292	.0361
.1	0	22	7	.0002	.0011	.0023	.0058	.0114	.0222	.0323	.0417
.1	0	22	11	.0002	.0010	.0020	.0052	.0103	.0203	.0301	.0395
.1	0	22	16	.0001	.0008	.0017	.0042	.0085	.0169	.0251	.0333
.1	0	22	22	.0001	.0006	.0013	.0032	.0065	.0129	.0193	.0257

Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R; N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.1	1	1	1	0.0325	0.1488	0.2676	0.5047	0.6960	0.8347	0.8809	0.9140
.1	1	1	2	.0187	.0900	.1712	.3708	.5956	.8213	.9134	.9542
.1	1	1	4	.0068	.0335	.0659	.1567	.2886	.4934	.6388	.7421
.1	1	1	7	.0024	.0122	.0243	.0597	.1159	.2184	.3090	.3890
.1	1	1	11	.0010	.0051	.0102	.0253	.0501	.0977	.1429	.1859
.1	1	1	16	.0004	.0024	.0048	.0122	.0242	.0479	.0710	.0935
.1	1	1	22	.0002	.0013	.0026	.0065	.0129	.0257	.0384	.0509
.1	1	2	1	.0187	.0803	.1566	.3024	.4318	.5456	.6006	.6350
.1	1	2	2	.0130	.0630	.1206	.2662	.4407	.6403	.7425	.8012
.1	1	2	4	.0058	.0289	.0570	.1362	.2529	.4390	.5764	.6783
.1	1	2	7	.0023	.0115	.0230	.0565	.1098	.2076	.2945	.3718
.1	1	2	11	.0010	.0050	.0099	.0247	.0489	.0955	.1398	.1819
.1	1	2	16	.0004	.0024	.0048	.0120	.0239	.0473	.0702	.0925
.1	1	2	22	.0002	.0012	.0025	.0064	.0129	.0256	.0382	.0506
.1	1	4	1	.0068	.0315	.0576	.1136	.1671	.2199	.2487	.2681
.1	1	4	2	.0058	.0284	.0548	.1233	.2101	.3215	.3890	.4345
.1	1	4	4	.0037	.0186	.0369	.0889	.1673	.2982	.4014	.4836
.1	1	4	7	.0019	.0095	.0189	.0465	.0907	.1728	.2469	.3139
.1	1	4	11	.0009	.0045	.0091	.0226	.0448	.0876	.1284	.1674
.1	1	4	16	.0004	.0023	.0046	.0115	.0229	.0453	.0672	.0886
.1	1	4	22	.0002	.0012	.0025	.0063	.0125	.0250	.0373	.0494
.1	1	7	1	.0024	.0114	.0209	.0416	.0617	.0824	.0940	.1020
.1	1	7	2	.0023	.0113	.0218	.0495	.0854	.1333	.1641	.1859
.1	1	7	4	.0019	.0094	.0187	.0453	.0860	.1558	.2132	.2608
.1	1	7	7	.0012	.0063	.0126	.0312	.0612	.1174	.1692	.2168
.1	1	7	11	.0007	.0036	.0073	.0183	.0363	.0711	.1046	.1368
.1	1	7	16	.0004	.0020	.0041	.0103	.0204	.0405	.0602	.0794
.1	1	7	22	.0002	.0011	.0023	.0059	.0118	.0235	.0350	.0464
.1	1	11	1	.0010	.0047	.0087	.0174	.0259	.0347	.0398	.0432
.1	1	11	2	.0010	.0048	.0094	.0214	.0371	.0584	.0723	.0828
.1	1	11	4	.0009	.0045	.0090	.0218	.0416	.0760	.1046	.1288
.1	1	11	7	.0007	.0036	.0073	.0181	.0357	.0688	.0997	.1284
.1	1	11	11	.0005	.0026	.0052	.0129	.0256	.0504	.0743	.0974
.1	1	11	16	.0003	.0016	.0033	.0083	.0166	.0329	.0489	.0646
.1	1	11	22	.0002	.0010	.0020	.0052	.0104	.0207	.0309	.0410
.1	1	16	1	.0004	.0022	.0041	.0083	.0124	.0166	.0190	.0207
.1	1	16	2	.0004	.0023	.0045	.0104	.0180	.0284	.0352	.0401
.1	1	16	4	.0004	.0023	.0045	.0110	.0211	.0387	.0534	.0659
.1	1	16	7	.0004	.0020	.0041	.0101	.0200	.0387	.0561	.0725
.1	1	16	11	.0003	.0016	.0033	.0083	.0165	.0325	.0480	.0631
.1	1	16	16	.0002	.0012	.0024	.0061	.0122	.0243	.0362	.0478
.1	1	16	22	.0001	.0006	.0017	.0042	.0085	.0169	.0253	.0336
.1	1	22	1	.0002	.0012	.0022	.0044	.0086	.0088	.0101	.0110
.1	1	22	2	.0002	.0012	.0024	.0055	.0096	.0152	.0188	.0218
.1	1	22	4	.0002	.0012	.0024	.0060	.0115	.0211	.0292	.0390
.1	1	22	7	.0002	.0011	.0023	.0058	.0114	.0221	.0322	.0416
.1	1	22	11	.0002	.0010	.0020	.0051	.0103	.0203	.0300	.0396
.1	1	22	16	.0001	.0008	.0017	.0042	.0085	.0168	.0251	.0333
.1	1	22	22	.0001	.0006	.0013	.0032	.0065	.0129	.0193	.0257

Table of  $P_{RK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.1	2	1	1	0.0107	0.0508	0.0951	0.1996	0.3149	0.4461	0.5220	0.5733
.1	2	1	2	.0110	.0539	.1041	.2356	.4038	.6174	.7392	.8134
.1	2	1	4	.0057	.0283	.0559	.1338	.2492	.4350	.5737	.6776
.1	2	1	7	.0023	.0115	.0229	.0564	.1096	.2072	.2940	.3713
.1	2	1	11	.0010	.0050	.0099	.0247	.0489	.0955	.1397	.1818
.1	2	1	16	.0004	.0024	.0048	.0120	.0239	.0473	.0701	.0923
.1	2	1	22	.0002	.0012	.0025	.0064	.0128	.0256	.0381	.0505
.1	2	2	1	.0110	.0514	.0940	.1857	.2735	.3600	.4066	.4377
.1	2	2	2	.0092	.0448	.0802	.1933	.3275	.4952	.5923	.6548
.1	2	2	4	.0050	.0250	.0494	.1186	.2218	.3901	.5184	.6169
.1	2	2	7	.0022	.0109	.0217	.0535	.1042	.1973	.2807	.3552
.1	2	2	11	.0006	.0048	.0097	.0242	.0478	.0933	.1367	.1780
.1	2	2	16	.0004	.0023	.0047	.0119	.0237	.0468	.0694	.0915
.1	2	2	22	.0002	.0012	.0025	.0064	.0128	.0254	.0379	.0503
.1	2	4	1	.0057	.0266	.0486	.0962	.1419	.1875	.2126	.2296
.1	2	4	2	.0050	.0246	.0474	.1070	.1829	.2814	.3420	.3835
.1	2	4	4	.0034	.0170	.0337	.0812	.1532	.2741	.3703	.4476
.1	2	4	7	.0018	.0090	.0180	.0445	.0868	.1655	.2368	.3015
.1	2	4	11	.0008	.0044	.0089	.0221	.0438	.0857	.1258	.1640
.1	2	4	16	.0004	.0022	.0045	.0114	.0226	.0448	.0665	.0877
.1	2	4	22	.0002	.0012	.0025	.0062	.0125	.0248	.0370	.0491
.1	2	7	1	.0023	.0107	.0197	.0392	.0582	.0777	.0887	.0963
.1	2	7	2	.0022	.0107	.0206	.0468	.0808	.1263	.1555	.1762
.1	2	7	4	.0018	.0090	.0178	.0432	.0822	.1491	.2041	.2498
.1	2	7	7	.0012	.0061	.0122	.0303	.0594	.1140	.1643	.2107
.1	2	7	11	.0007	.0036	.0072	.0180	.0356	.0699	.1029	.1345
.1	2	7	16	.0004	.0020	.0040	.0102	.0202	.0401	.0596	.0786
.1	2	7	22	.0002	.0011	.0023	.0058	.0117	.0233	.0348	.0461
.1	2	11	1	.0010	.0046	.0085	.0170	.0253	.0339	.0388	.0422
.1	2	11	2	.0009	.0047	.0092	.0209	.0362	.0570	.0706	.0803
.1	2	11	4	.0008	.0044	.0088	.0213	.0407	.0743	.1024	.1261
.1	2	11	7	.0007	.0036	.0072	.0178	.0350	.0676	.0980	.1262
.1	2	11	11	.0005	.0025	.0051	.0127	.0253	.0498	.0734	.0963
.1	2	11	16	.0003	.0016	.0033	.0082	.0164	.0326	.0485	.0641
.1	2	11	22	.0002	.0010	.0020	.0051	.0103	.0206	.0307	.0408
.1	2	16	1	.0004	.0022	.0041	.0082	.0122	.0164	.0188	.0205
.1	2	16	2	.0004	.0023	.0045	.0102	.0178	.0281	.0348	.0397
.1	2	16	4	.0004	.0022	.0045	.0109	.0209	.0382	.0528	.0652
.1	2	16	7	.0004	.0020	.0040	.0100	.0198	.0383	.0556	.0718
.1	2	16	11	.0003	.0016	.0033	.0082	.0163	.0322	.0477	.0626
.1	2	16	16	.0002	.0012	.0024	.0061	.0121	.0241	.0360	.0476
.1	2	16	22	.0001	.0006	.0017	.0042	.0084	.0168	.0252	.0334
.1	2	22	1	.0002	.0012	.0022	.0044	.0065	.0087	.0100	.0109
.1	2	22	2	.0002	.0012	.0024	.0055	.0085	.0151	.0187	.0213
.1	2	22	4	.0002	.0012	.0024	.0060	.0114	.0209	.0290	.0358
.1	2	22	7	.0002	.0011	.0023	.0057	.0114	.0220	.0320	.0414
.1	2	22	11	.0003	.0010	.0020	.0051	.0102	.0202	.0299	.0383
.1	2	22	16	.0001	.0008	.0017	.0042	.0084	.0168	.0250	.0331
.1	2	22	22	.0001	.0006	.0013	.0032	.0064	.0129	.0193	.0256

Table of  $P_{SK}(P_K, y_0/a, \sigma_A/a, \sigma_R/a, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.1	4	1	1	0.0000	0.0004	0.0009	0.0021	0.0042	0.0078	0.0110	0.0130
.1	4	1	2	.0013	.0066	.0131	.0320	.0617	.1151	.1618	.2031
.1	4	1	4	.0029	.0144	.0287	.0700	.1347	.2497	.3479	.4321
.1	4	1	7	.0018	.0091	.0181	.0447	.0875	.1673	.2400	.3063
.1	4	1	11	.0009	.0045	.0090	.0225	.0444	.0870	.1276	.1664
.1	4	1	16	.0004	.0023	.0046	.0115	.0228	.0452	.0670	.0883
.1	4	1	22	.0002	.0012	.0025	.0063	.0125	.0249	.0372	.0493
.1	4	2	1	.0013	.0062	.0118	.0250	.0402	.0595	.0723	.0820
.1	4	2	2	.0023	.0113	.0222	.0521	.0943	.1501	.2073	.2453
.1	4	2	4	.0028	.0140	.0279	.0678	.1296	.2376	.3280	.4043
.1	4	2	7	.0017	.0087	.0174	.0430	.0841	.1608	.2308	.2947
.1	4	2	11	.0008	.0044	.0088	.0220	.0435	.0852	.1250	.1631
.1	4	2	16	.0004	.0022	.0045	.0113	.0226	.0448	.0664	.0875
.1	4	2	22	.0002	.0012	.0025	.0062	.0125	.0248	.0370	.0491
.1	4	4	1	.0029	.0135	.0248	.0494	.0737	.0988	.1132	.1231
.1	4	4	2	.0028	.0138	.0267	.0606	.1049	.1647	.2036	.2314
.1	4	4	4	.0023	.0118	.0234	.0566	.1076	.1951	.2670	.3267
.1	4	4	7	.0015	.0075	.0150	.0371	.0727	.1393	.2003	.2562
.1	4	4	11	.0008	.0041	.0081	.0203	.0402	.0788	.1158	.1512
.1	4	4	16	.0004	.0021	.0043	.0109	.0217	.0429	.0637	.0840
.1	4	4	22	.0002	.0012	.0024	.0061	.0122	.0243	.0362	.0480
.1	4	7	1	.0018	.0085	.0155	.0310	.0461	.0616	.0704	.0765
.1	4	7	2	.0017	.0085	.0165	.0375	.0648	.1016	.1254	.1424
.1	4	7	4	.0015	.0075	.0149	.0361	.0686	.1248	.1713	.2103
.1	4	7	7	.0010	.0054	.0108	.0268	.0527	.1013	.1462	.1878
.1	4	7	11	.0006	.0033	.0067	.0168	.0332	.0653	.0961	.1258
.1	4	7	16	.0003	.0019	.0039	.0098	.0195	.0386	.0573	.0757
.1	4	7	22	.0002	.0011	.0023	.0057	.0114	.0228	.0340	.0451
.1	4	11	1	.0009	.0042	.0077	.0154	.0230	.0308	.0352	.0383
.1	4	11	2	.0008	.0043	.0083	.0190	.0329	.0519	.0642	.0731
.1	4	11	4	.0008	.0040	.0080	.0195	.0373	.0682	.0940	.1158
.1	4	11	7	.0006	.0033	.0067	.0166	.0327	.0631	.0914	.1178
.1	4	11	11	.0004	.0024	.0048	.0121	.0241	.0474	.0699	.0917
.1	4	11	16	.0003	.0016	.0032	.0080	.0159	.0316	.0470	.0621
.1	4	11	22	.0002	.0010	.0020	.0050	.0101	.0202	.0301	.0400
.1	4	16	1	.0004	.0021	.0039	.0078	.0117	.0157	.0180	.0193
.1	4	16	2	.0004	.0022	.0043	.0098	.0170	.0268	.0332	.0379
.1	4	16	4	.0004	.0021	.0043	.0104	.0200	.0366	.0505	.0624
.1	4	16	7	.0003	.0019	.0039	.0096	.0190	.0368	.0534	.0690
.1	4	16	11	.0003	.0016	.0032	.0079	.0158	.0312	.0461	.0608
.1	4	16	16	.0002	.0011	.0023	.0059	.0119	.0236	.0351	.0461
.1	4	16	22	.0001	.0008	.0016	.0041	.0083	.0166	.0248	.0329
.1	4	22	1	.0002	.0011	.0021	.0042	.0084	.0085	.0098	.0106
.1	4	22	2	.0002	.0012	.0023	.0053	.0093	.0147	.0183	.0208
.1	4	22	4	.0002	.0012	.0024	.0058	.0111	.0201	.0283	.0350
.1	4	22	7	.0002	.0011	.0022	.0056	.0111	.0215	.0313	.0403
.1	4	22	11	.0002	.0010	.0020	.0050	.0100	.0198	.0293	.0383
.1	4	22	16	.0001	.0008	.0016	.0041	.0083	.0163	.0246	.0325
.1	4	22	22	.0001	.0008	.0013	.0032	.0064	.0127	.0190	.0253



Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.1	7	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.1	7	1	2	.0000	.0000	.0000	.0000	.0001	.0003	.0005	.0006
.1	7	1	4	.0004	.0022	.0044	.0111	.0221	.0437	.0646	.0840
.1	7	1	7	.0009	.0047	.0095	.0236	.0466	.0909	.1332	.1734
.1	7	1	11	.0006	.0034	.0069	.0172	.0341	.0672	.0990	.1298
.1	7	1	16	.0004	.0020	.0040	.0101	.0201	.0399	.0593	.0782
.1	7	1	22	.0002	.0011	.0023	.0059	.0117	.0233	.0348	.0462
.1	7	2	1	.0000	.0000	.0000	.0000	.0001	.0001	.0002	.0003
.1	7	2	2	.0000	.0002	.0004	.0012	.0023	.0045	.0065	.0084
.1	7	2	4	.0005	.0028	.0057	.0141	.0279	.0541	.0788	.1021
.1	7	2	7	.0009	.0047	.0094	.0234	.0463	.0902	.1318	.1713
.1	7	2	11	.0006	.0034	.0068	.0169	.0336	.0662	.0976	.1279
.1	7	2	16	.0004	.0020	.0040	.0100	.0199	.0395	.0587	.0776
.1	7	2	22	.0002	.0011	.0023	.0058	.0117	.0232	.0346	.0459
.1	7	4	1	.0004	.0021	.0038	.0078	.0120	.0167	.0196	.0217
.1	7	4	2	.0005	.0028	.0054	.0126	.0225	.0370	.0475	.0556
.1	7	4	4	.0008	.0043	.0085	.0209	.0404	.0754	.1060	.1330
.1	7	4	7	.0009	.0045	.0091	.0226	.0445	.0862	.1253	.1621
.1	7	4	11	.0006	.0032	.0064	.0160	.0318	.0625	.0921	.1207
.1	7	4	16	.0003	.0019	.0038	.0096	.0192	.0381	.0567	.0748
.1	7	4	22	.0002	.0011	.0023	.0057	.0114	.0227	.0339	.0450
.1	7	7	1	.0009	.0044	.0081	.0162	.0242	.0325	.0372	.0405
.1	7	7	2	.0009	.0046	.0089	.0203	.0353	.0558	.0693	.0791
.1	7	7	4	.0009	.0045	.0090	.0219	.0418	.0766	.1058	.1307
.1	7	7	7	.0007	.0039	.0077	.0192	.0378	.0731	.1060	.1366
.1	7	7	11	.0005	.0027	.0055	.0138	.0274	.0540	.0797	.1045
.1	7	7	16	.0003	.0017	.0035	.0088	.0175	.0347	.0516	.0682
.1	7	7	22	.0002	.0010	.0021	.0054	.0108	.0214	.0320	.0425
.1	7	11	1	.0006	.0032	.0059	.0118	.0175	.0235	.0269	.0293
.1	7	11	2	.0006	.0033	.0064	.0146	.0254	.0400	.0496	.0565
.1	7	11	4	.0006	.0032	.0063	.0154	.0294	.0538	.0743	.0916
.1	7	11	7	.0005	.0027	.0055	.0137	.0269	.0521	.0736	.0907
.1	7	11	11	.0004	.0021	.0042	.0106	.0210	.0414	.0612	.0803
.1	7	11	16	.0002	.0014	.0029	.0073	.0146	.0290	.0431	.0571
.1	7	11	22	.0001	.0009	.0019	.0048	.0096	.0191	.0285	.0379
.1	7	16	1	.0004	.0018	.0034	.0069	.0103	.0138	.0158	.0172
.1	7	16	2	.0004	.0019	.0038	.0086	.0150	.0236	.0293	.0334
.1	7	16	4	.0003	.0019	.0038	.0092	.0177	.0324	.0448	.0554
.1	7	16	7	.0003	.0017	.0035	.0086	.0171	.0330	.0460	.0569
.1	7	16	11	.0002	.0014	.0029	.0073	.0145	.0286	.0423	.0556
.1	7	16	16	.0002	.0011	.0022	.0056	.0111	.0221	.0330	.0436
.1	7	16	22	.0001	.0008	.0016	.0040	.0079	.0159	.0237	.0315
.1	7	22	1	.0002	.0010	.0020	.0040	.0059	.0090	.0091	.0099
.1	7	22	2	.0002	.0011	.0022	.0050	.0087	.0137	.0171	.0195
.1	7	22	4	.0002	.0011	.0022	.0054	.0104	.0191	.0265	.0327
.1	7	22	7	.0002	.0010	.0021	.0053	.0104	.0202	.0294	.0381
.1	7	22	11	.0001	.0009	.0019	.0047	.0085	.0187	.0277	.0365
.1	7	22	16	.0001	.0008	.0016	.0039	.0079	.0158	.0235	.0311
.1	7	22	22	.0001	.0006	.0012	.0031	.0063	.0123	.0184	.0244



Table of  $P_{RK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.1	11	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0600	0.0000
.1	11	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	11	1	4	.0000	.0000	.0000	.0001	.0003	.0007	.0011	.0015
.1	11	1	7	.0002	.0011	.0023	.0057	.0114	.0228	.0339	.0450
.1	11	1	11	.0003	.0019	.0038	.0096	.0191	.0379	.0563	.0744
.1	11	1	16	.0003	.0015	.0030	.0076	.0152	.0303	.0451	.0598
.1	11	1	22	.0002	.0010	.0020	.0050	.0101	.0202	.0301	.0400
.1	11	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	11	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	11	2	4	.0000	.0000	.0001	.0004	.0008	.0017	.0026	.0034
.1	11	2	7	.0002	.0012	.0024	.0062	.0123	.0244	.0364	.0481
.1	11	2	11	.0003	.0019	.0038	.0096	.0191	.0379	.0562	.0742
.1	11	2	16	.0003	.0015	.0030	.0076	.0152	.0301	.0449	.0594
.1	11	2	22	.0002	.0010	.0020	.0050	.0101	.0201	.0300	.0398
.1	11	4	1	.0000	.0000	.0000	.0000	.0001	.0002	.0002	.0003
.1	11	4	2	.0000	.0000	.0001	.0003	.0007	.0012	.0017	.0021
.1	11	4	4	.0000	.0004	.0009	.0023	.0046	.0089	.0129	.0168
.1	11	4	7	.0003	.0015	.0030	.0076	.0151	.0297	.0438	.0575
.1	11	4	11	.0003	.0019	.0038	.0095	.0189	.0375	.0556	.0733
.1	11	4	16	.0002	.0014	.0029	.0074	.0148	.0294	.0438	.0579
.1	11	4	22	.0001	.0009	.0019	.0049	.0099	.0197	.0294	.0391
.1	11	7	1	.0002	.0010	.0019	.0039	.0059	.0080	.0092	.0100
.1	11	7	2	.0002	.0012	.0023	.0053	.0094	.0150	.0189	.0218
.1	11	7	4	.0003	.0015	.0030	.0073	.0141	.0262	.0367	.0459
.1	11	7	7	.0003	.0018	.0037	.0093	.0183	.0357	.0522	.0678
.1	11	7	11	.0003	.0018	.0036	.0091	.0181	.0357	.0528	.0685
.1	11	7	16	.0002	.0013	.0027	.0069	.0138	.0275	.0410	.0542
.1	11	7	22	.0001	.0009	.0018	.0047	.0094	.0188	.0280	.0372
.1	11	11	1	.0003	.0017	.0032	.0065	.0097	.0131	.0150	.0163
.1	11	11	2	.0003	.0018	.0036	.0082	.0143	.0227	.0282	.0322
.1	11	11	4	.0003	.0019	.0037	.0091	.0174	.0320	.0444	.0549
.1	11	11	7	.0003	.0018	.0036	.0090	.0177	.0343	.0499	.0645
.1	11	11	11	.0003	.0015	.0031	.0078	.0156	.0309	.0457	.0600
.1	11	11	16	.0002	.0012	.0024	.0060	.0121	.0240	.0357	.0473
.1	11	11	22	.0001	.0008	.0017	.0042	.0085	.0170	.0254	.0337
.1	11	16	1	.0003	.0014	.0026	.0052	.0078	.0104	.0119	.0130
.1	11	16	2	.0003	.0014	.0026	.0055	.0113	.0179	.0222	.0254
.1	11	16	4	.0002	.0014	.0029	.0071	.0138	.0249	.0345	.0429
.1	11	16	7	.0002	.0013	.0027	.0068	.0135	.0261	.0380	.0491
.1	11	16	11	.0002	.0012	.0024	.0060	.0120	.0237	.0350	.0461
.1	11	16	16	.0001	.0009	.0019	.0048	.0097	.0192	.0287	.0379
.1	11	16	22	.0001	.0007	.0014	.0036	.0072	.0144	.0215	.0286
.1	11	22	1	.0002	.0009	.0017	.0034	.0051	.0069	.0078	.0085
.1	11	22	2	.0002	.0009	.0019	.0043	.0075	.0118	.0147	.0168
.1	11	22	4	.0001	.0009	.0019	.0047	.0080	.0146	.0229	.0304
.1	11	22	7	.0001	.0009	.0018	.0046	.0091	.0177	.0257	.0332
.1	11	22	11	.0001	.0008	.0017	.0042	.0084	.0166	.0246	.0324
.1	11	22	16	.0001	.0007	.0014	.0036	.0072	.0143	.0213	.0283
.1	11	22	22	.0001	.0005	.0011	.0028	.0057	.0114	.0171	.0227

Table of  $P_{KK}(P_K, y/a, \sigma_A/a, \sigma_R/a, N)$ —Continued

$P_K$	$y/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.1	16	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.1	16	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	16	1	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	16	1	7	.0000	.0000	.0001	.0004	.0008	.0016	.0024	.0032
.1	16	1	11	.0001	.0006	.0012	.0032	.0064	.0128	.0191	.0254
.1	16	1	16	.0001	.0009	.0018	.0045	.0091	.0181	.0270	.0359
.1	16	1	22	.0001	.0007	.0015	.0038	.0077	.0153	.0229	.0304
.1	16	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	16	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	16	2	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	16	2	7	.0000	.0001	.0002	.0005	.0010	.0020	.0030	.0040
.1	16	2	11	.0001	.0006	.0013	.0033	.0065	.0131	.0196	.0260
.1	16	2	16	.0001	.0009	.0018	.0045	.0091	.0181	.0270	.0359
.1	16	2	22	.0001	.0007	.0015	.0038	.0076	.0153	.0228	.0303
.1	16	4	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	16	4	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	16	4	4	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0002
.1	16	4	7	.0000	.0001	.0003	.0009	.0019	.0038	.0057	.0076
.1	16	4	11	.0001	.0007	.0014	.0035	.0071	.0142	.0212	.0282
.1	16	4	16	.0001	.0009	.0018	.0045	.0090	.0180	.0269	.0357
.1	16	4	22	.0001	.0007	.0015	.0038	.0075	.0151	.0225	.0300
.1	16	7	1	.0000	.0000	.0001	.0002	.0003	.0004	.0004	.0005
.1	16	7	2	.0000	.0000	.0001	.0004	.0007	.0012	.0015	.0018
.1	16	7	4	.0000	.0001	.0003	.0009	.0018	.0034	.0048	.0062
.1	16	7	7	.0000	.0004	.0009	.0023	.0047	.0092	.0136	.0178
.1	16	7	11	.0001	.0006	.0016	.0041	.0082	.0163	.0243	.0321
.1	16	7	16	.0001	.0009	.0017	.0044	.0089	.0178	.0265	.0352
.1	16	7	22	.0001	.0007	.0014	.0036	.0073	.0146	.0218	.0290
.1	16	11	1	.0001	.0005	.0010	.0021	.0032	.0043	.0050	.0054
.1	16	11	2	.0001	.0006	.0012	.0028	.0049	.0078	.0097	.0111
.1	16	11	4	.0001	.0007	.0014	.0034	.0065	.0121	.0166	.0209
.1	16	11	7	.0001	.0008	.0016	.0040	.0080	.0156	.0228	.0296
.1	16	11	11	.0001	.0009	.0018	.0045	.0090	.0178	.0263	.0347
.1	16	11	16	.0001	.0009	.0017	.0042	.0084	.0168	.0251	.0333
.1	16	11	22	.0001	.0008	.0013	.0034	.0068	.0136	.0203	.0270
.1	16	16	1	.0001	.0006	.0013	.0030	.0046	.0061	.0070	.0076
.1	16	16	2	.0001	.0006	.0013	.0030	.0047	.0067	.0083	.0095
.1	16	16	4	.0001	.0009	.0017	.0043	.0082	.0152	.0210	.0260
.1	16	16	7	.0001	.0009	.0017	.0044	.0086	.0168	.0244	.0316
.1	16	16	11	.0001	.0009	.0017	.0042	.0084	.0166	.0243	.0323
.1	16	16	16	.0001	.0007	.0015	.0037	.0074	.0148	.0221	.0292
.1	16	16	22	.0001	.0006	.0012	.0030	.0060	.0120	.0179	.0238
.1	16	22	1	.0001	.0007	.0013	.0026	.0038	.0052	.0059	.0064
.1	16	22	2	.0001	.0007	.0014	.0028	.0047	.0080	.0111	.0137
.1	16	22	4	.0001	.0007	.0014	.0034	.0069	.0136	.0173	.0216
.1	16	22	7	.0001	.0007	.0014	.0036	.0070	.0137	.0199	.0258
.1	16	22	11	.0001	.0008	.0013	.0034	.0067	.0133	.0197	.0256
.1	16	22	16	.0001	.0008	.0013	.0033	.0066	.0119	.0178	.0236
.1	16	22	22	.0001	.0005	.0010	.0025	.0050	.0100	.0149	.0197

Table of  $P_{BK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.1	22	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.1	22	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	1	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	1	7	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	1	11	.0000	.0001	.0002	.0005	.0010	.0020	.0030	.0040
.1	22	1	16	.0000	.0003	.0007	.0018	.0037	.0075	.0113	.0150
.1	22	1	22	.0000	.0004	.0009	.0024	.0048	.0096	.0144	.0191
.1	22	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	2	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	2	7	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	2	11	.0000	.0001	.0002	.0005	.0010	.0021	.0032	.0043
.1	22	2	16	.0000	.0003	.0007	.0019	.0038	.0076	.0113	.0151
.1	22	2	22	.0000	.0004	.0009	.0024	.0048	.0096	.0144	.0191
.1	22	4	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	4	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	4	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	4	7	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001
.1	22	4	11	.0000	.0001	.0002	.0006	.0013	.0027	.0041	.0054
.1	22	4	16	.0000	.0003	.0007	.0019	.0039	.0078	.0118	.0157
.1	22	4	22	.0000	.0004	.0009	.0024	.0048	.0096	.0143	.0191
.1	22	7	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	7	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	7	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.1	22	7	7	.0000	.0000	.0000	.0002	.0004	.0008	.0013	.0017
.1	22	7	11	.0000	.0002	.0004	.0010	.0021	.0043	.0064	.0085
.1	22	7	16	.0000	.0004	.0008	.0021	.0042	.0085	.0127	.0168
.1	22	7	22	.0000	.0004	.0009	.0024	.0048	.0095	.0143	.0190
.1	22	11	1	.0000	.0000	.0001	.0003	.0004	.0005	.0006	.0006
.1	22	11	2	.0000	.0001	.0001	.0004	.0007	.0012	.0015	.0018
.1	22	11	4	.0000	.0001	.0002	.0006	.0012	.0022	.0031	.0039
.1	22	11	7	.0000	.0002	.0004	.0010	.0020	.0040	.0060	.0078
.1	22	11	11	.0000	.0003	.0007	.0017	.0035	.0069	.0103	.0137
.1	22	11	16	.0000	.0004	.0009	.0023	.0046	.0092	.0138	.0183
.1	22	11	22	.0000	.0004	.0009	.0023	.0047	.0093	.0140	.0186
.1	22	16	1	.0000	.0003	.0006	.0012	.0018	.0025	.0028	.0031
.1	22	16	2	.0000	.0003	.0007	.0016	.0028	.0044	.0055	.0063
.1	22	16	4	.0000	.0003	.0007	.0018	.0035	.0065	.0091	.0112
.1	22	16	7	.0000	.0004	.0008	.0020	.0040	.0079	.0115	.0150
.1	22	16	11	.0000	.0004	.0009	.0023	.0046	.0090	.0134	.0177
.1	22	16	16	.0000	.0004	.0009	.0024	.0047	.0095	.0142	.0186
.1	22	16	22	.0000	.0004	.0008	.0022	.0044	.0088	.0132	.0175
.1	22	22	1	.0000	.0004	.0008	.0016	.0024	.0032	.0037	.0040
.1	22	22	2	.0000	.0004	.0009	.0020	.0035	.0054	.0070	.0079
.1	22	22	4	.0000	.0004	.0009	.0022	.0043	.0080	.0110	.0137
.1	22	22	7	.0000	.0004	.0009	.0023	.0046	.0090	.0130	.0168
.1	22	22	11	.0000	.0004	.0009	.0023	.0046	.0091	.0135	.0178
.1	22	22	16	.0000	.0004	.0008	.0022	.0044	.0088	.0131	.0173
.1	22	22	22	.0000	.0003	.0007	.0019	.0039	.0078	.0117	.0154

Table of  $P_{2K}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.4	0	1	1	0.1862	0.6150	0.8202	0.9557	0.9854	0.9950	0.9973	0.9982
.4	0	1	2	.0892	.3715	.6017	.8926	.9846	.9991	.9998	.9999
.4	0	1	4	.0287	.1358	.2531	.5177	.7669	.9452	.9870	.9968
.4	0	1	7	.0100	.0492	.0960	.2230	.3962	.6354	.7798	.8670
.4	0	1	11	.0041	.0205	.0406	.0986	.1875	.3399	.4637	.5643
.4	0	1	16	.0019	.0098	.0195	.0480	.0938	.1788	.2558	.3256
.4	0	1	22	.0010	.0052	.0104	.0258	.0509	.0993	.1453	.1889
.4	0	2	1	.0894	.3208	.4651	.6273	.7157	.7818	.8125	.8315
.4	0	2	2	.0585	.2528	.4270	.7014	.8547	.9341	.9587	.9703
.4	0	2	4	.0246	.1169	.2196	.4594	.7026	.9042	.9660	.9865
.4	0	2	7	.0094	.0465	.0908	.2118	.3785	.6132	.7589	.8495
.4	0	2	11	.0040	.0200	.0397	.0964	.1835	.3333	.4556	.5554
.4	0	2	16	.0019	.0097	.0193	.0475	.0929	.1772	.2536	.3230
.4	0	2	22	.0010	.0051	.0103	.0256	.0507	.0988	.1446	.1880
.4	0	4	1	.0288	.1071	.1611	.2333	.2830	.3285	.3533	.3702
.4	0	4	2	.0246	.1091	.1902	.3388	.4544	.5531	.6024	.6340
.4	0	4	4	.0155	.0747	.1422	.3085	.4982	.6998	.7947	.8463
.4	0	4	7	.0077	.0381	.0746	.1757	.3189	.5313	.6737	.7701
.4	0	4	11	.0036	.0183	.0363	.0883	.1687	.3087	.4248	.5211
.4	0	4	16	.0018	.0092	.0184	.0455	.0890	.1700	.2439	.3111
.4	0	4	22	.0010	.0050	.0101	.0250	.0495	.0966	.1413	.1839
.4	0	7	1	.0100	.0377	.0572	.0845	.1043	.1232	.1338	.1413
.4	0	7	2	.0094	.0424	.0747	.1368	.1899	.2410	.2694	.2889
.4	0	7	4	.0077	.0374	.0717	.1590	.2056	.3951	.4696	.5184
.4	0	7	7	.0051	.0254	.0500	.1189	.2195	.3774	.4929	.5787
.4	0	7	11	.0029	.0148	.0293	.0716	.1378	.2550	.3550	.4402
.4	0	7	16	.0016	.0082	.0164	.0407	.0797	.1529	.2202	.2819
.4	0	7	22	.0009	.0047	.0094	.0235	.0465	.0909	.1331	.1734
.4	0	11	1	.0041	.0156	.0237	.0333	.0437	.0519	.0566	.0599
.4	0	11	2	.0040	.0181	.0321	.0593	.0832	.1071	.1208	.1303
.4	0	11	4	.0036	.0179	.0344	.0769	.1303	.1965	.2406	.2697
.4	0	11	7	.0029	.0147	.0290	.0694	.1295	.2271	.3022	.3610
.4	0	11	11	.0020	.0104	.0207	.0507	.0960	.1834	.2581	.3235
.4	0	11	16	.0013	.0067	.0133	.0330	.0648	.1251	.1810	.2329
.4	0	11	22	.0008	.0041	.0083	.0207	.0411	.0904	.1181	.1541
.4	0	16	1	.0019	.0074	.0113	.0168	.0209	.0249	.0271	.0287
.4	0	16	2	.0019	.0087	.0155	.0287	.0405	.0524	.0592	.0641
.4	0	16	4	.0018	.0090	.0174	.0390	.0665	.1023	.1250	.1410
.4	0	16	7	.0016	.0082	.0162	.0389	.0730	.1293	.1736	.2092
.4	0	16	11	.0013	.0067	.0133	.0327	.0634	.1196	.1694	.2138
.4	0	16	16	.0009	.0049	.0098	.0244	.0480	.0930	.1351	.1746
.4	0	16	22	.0006	.0034	.0068	.0170	.0336	.0660	.0972	.1272
.4	0	22	1	.0010	.0039	.0060	.0099	.0111	.0132	.0144	.0152
.4	0	22	2	.0010	.0046	.0082	.0153	.0217	.0281	.0318	.0344
.4	0	22	4	.0010	.0049	.0094	.0213	.0364	.0562	.0868	.0779
.4	0	22	7	.0009	.0047	.0093	.0223	.0420	.0747	.1007	.1219
.4	0	22	11	.0008	.0041	.0083	.0204	.0397	.0751	.1099	.1355
.4	0	22	16	.0006	.0034	.0068	.0169	.0333	.0647	.0944	.1223
.4	0	22	22	.0005	.0026	.0052	.0130	.0258	.0507	.0748	.0980

Table of  $P_{JK}(P_K, y_0/a, \sigma_A/a, \sigma_R/a, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.4	1	1	1	0.1302	0.4591	0.6519	0.8389	0.9152	0.9562	0.9704	0.9777
.4	1	1	2	.0749	.3188	.5290	.8288	.9566	.9932	.9980	.9991
.4	1	1	4	.0272	.1287	.2407	.4970	.7457	.9339	.9823	.9951
.4	1	1	7	.0098	.0482	.0942	.2191	.3902	.6280	.7730	.8614
.4	1	1	11	.0041	.0203	.0403	.0978	.1862	.3377	.4610	.5613
.4	1	1	16	.0019	.0097	.0194	.0479	.0936	.1784	.2553	.3250
.4	1	1	22	.0010	.0052	.0104	.0258	.0509	.0992	.1451	.1887
.4	1	2	1	.0750	.2721	.3987	.5485	.6362	.7057	.7396	.7610
.4	1	2	2	.0522	.2268	.3859	.6458	.8037	.8969	.9297	.9465
.4	1	2	4	.0234	.1116	.2101	.4419	.6814	.8879	.9558	.9803
.4	1	2	7	.0093	.0456	.0892	.2082	.3728	.6059	.7518	.8434
.4	1	2	11	.0040	.0199	.0394	.0956	.1822	.3311	.4529	.5525
.4	1	2	16	.0019	.0096	.0192	.0474	.0925	.1766	.2528	.3220
.4	1	2	22	.0010	.0051	.0103	.0256	.0506	.0987	.1443	.1876
.4	1	4	1	.0272	.1013	.1525	.2212	.2688	.3124	.3363	.3527
.4	1	4	2	.0234	.1040	.1815	.3241	.4360	.5325	.5811	.6125
.4	1	4	4	.0151	.0725	.1381	.2999	.4856	.6847	.7800	.8326
.4	1	4	7	.0076	.0375	.0735	.1732	.3147	.5251	.6669	.7633
.4	1	4	11	.0036	.0182	.0360	.0877	.1676	.3067	.4221	.5183
.4	1	4	16	.0018	.0092	.0184	.0453	.0887	.1695	.2431	.3101
.4	1	4	22	.0010	.0050	.0100	.0250	.0494	.0964	.1411	.1835
.4	1	7	1	.0098	.0369	.0561	.0829	.1023	.1208	.1313	.1386
.4	1	7	2	.0093	.0416	.0733	.1344	.1865	.2368	.2648	.2841
.4	1	7	4	.0076	.0368	.0706	.1566	.2618	.3898	.4636	.5119
.4	1	7	7	.0051	.0251	.0495	.1178	.2174	.3740	.4887	.5740
.4	1	7	11	.0029	.0147	.0292	.0712	.1370	.2537	.3531	.4381
.4	1	7	16	.0016	.0082	.0164	.0405	.0794	.1524	.2195	.2811
.4	1	7	22	.0009	.0047	.0094	.0235	.0464	.0907	.1329	.1731
.4	1	11	1	.0041	.0154	.0235	.0350	.0434	.0515	.0562	.0594
.4	1	11	2	.0040	.0180	.0318	.0588	.0826	.1063	.1196	.1293
.4	1	11	4	.0036	.0177	.0341	.0764	.1294	.1972	.2389	.2679
.4	1	11	7	.0029	.0146	.0288	.0690	.1287	.2259	.3005	.3591
.4	1	11	11	.0020	.0103	.0206	.0505	.0976	.1827	.2571	.3222
.4	1	11	16	.0013	.0066	.0133	.0329	.0647	.1247	.1805	.2323
.4	1	11	22	.0008	.0041	.0083	.0207	.0410	.0803	.1179	.1539
.4	1	16	1	.0019	.0074	.0113	.0168	.0208	.0248	.0270	.0286
.4	1	16	2	.0019	.0067	.0154	.0286	.0403	.0522	.0590	.0638
.4	1	16	4	.0018	.0060	.0173	.0389	.0663	.1020	.1345	.1605
.4	1	16	7	.0016	.0062	.0161	.0388	.0727	.1289	.1731	.2085
.4	1	16	11	.0013	.0066	.0132	.0326	.0632	.1192	.1690	.2133
.4	1	16	16	.0009	.0049	.0098	.0243	.0479	.0828	.1248	.1743
.4	1	16	22	.0006	.0034	.0068	.0169	.0336	.0660	.0971	.1270
.4	1	22	1	.0010	.0039	.0080	.0099	.0111	.0132	.0144	.0152
.4	1	22	2	.0010	.0046	.0082	.0153	.0216	.0280	.0317	.0344
.4	1	22	4	.0010	.0049	.0094	.0212	.0363	.0561	.0737	.0878
.4	1	22	7	.0009	.0047	.0092	.0223	.0419	.0746	.1006	.1317
.4	1	22	11	.0004	.0041	.0083	.0203	.0396	.0750	.1067	.1352
.4	1	22	16	.0006	.0034	.0068	.0169	.0333	.0646	.0943	.1222
.4	1	22	22	.0006	.0036	.0063	.0130	.0267	.0506	.0747	.0979

Table of  $P_{RK}(P_K, y_0/a, \sigma_A/a, \sigma_R/a, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.4	2	1	1	0.0429	0.1734	0.2799	0.4491	0.5749	0.6845	0.7390	0.7732
.4	2	1	2	.0443	.1983	.3482	.6228	.8165	.9334	.9674	.9812
.4	2	1	4	.0229	.1095	.2067	.4378	.6807	.8937	.9629	.9865
.4	2	1	7	.0092	.0455	.0890	.2078	.3723	.6057	.7521	.8440
.4	2	1	11	.0040	.0199	.0394	.0956	.1821	.3310	.4528	.5524
.4	2	1	16	.0019	.0096	.0192	.0477	.0924	.1763	.2524	.3215
.4	2	1	22	.0010	.0051	.0103	.0256	.0505	.0986	.1442	.1875
.4	2	2	1	.0443	.1655	.2494	.3621	.4387	.5072	.5437	.5680
.4	2	2	2	.0370	.1634	.2838	.4992	.6570	.7767	.8288	.8590
.4	2	2	4	.0202	.0969	.1836	.3925	.6196	.8362	.9204	.9569
.4	2	2	7	.0088	.0432	.0845	.1979	.3562	.5841	.7304	.8245
.4	2	2	11	.0039	.0194	.0385	.0935	.1782	.3247	.4449	.5437
.4	2	2	16	.0019	.0095	.0190	.0468	.0915	.1747	.2503	.3189
.4	2	2	22	.0010	.0051	.0102	.0254	.0503	.0981	.1435	.1866
.4	2	4	1	.0229	.0857	.1293	.1886	.2301	.2688	.2901	.3048
.4	2	4	2	.0202	.0902	.1578	.2837	.3848	.4748	.5214	.5520
.4	2	4	4	.0137	.0662	.1263	.2756	.4494	.6411	.7369	.7919
.4	2	4	7	.0072	.0358	.0703	.1660	.3022	.5068	.6466	.7431
.4	2	4	11	.0035	.0178	.0353	.0858	.1642	.3011	.4151	.5107
.4	2	4	16	.0018	.0091	.0182	.0449	.0877	.1678	.2407	.3073
.4	2	4	22	.0010	.0050	.0100	.0248	.0491	.0959	.1403	.1826
.4	2	7	1	.0092	.0348	.0529	.0782	.0966	.1141	.1241	.1310
.4	2	7	2	.0088	.0393	.0694	.1272	.1769	.2249	.2517	.2701
.4	2	7	4	.0072	.0352	.0675	.1498	.2508	.3742	.4458	.4931
.4	2	7	7	.0049	.0244	.0480	.1143	.2112	.3640	.4763	.5603
.4	2	7	11	.0029	.0144	.0287	.0700	.1347	.2496	.3478	.4318
.4	2	7	16	.0016	.0081	.0162	.0402	.0787	.1511	.2176	.2787
.4	2	7	22	.0009	.0047	.0094	.0233	.0462	.0902	.1322	.1723
.4	2	11	1	.0040	.0151	.0230	.0341	.0424	.0503	.0548	.0580
.4	2	11	2	.0039	.0176	.0311	.0575	.0807	.1038	.1171	.1264
.4	2	11	4	.0035	.0173	.0334	.0747	.1267	.1931	.2341	.2626
.4	2	11	7	.0029	.0143	.0283	.0678	.1265	.2221	.2957	.3534
.4	2	11	11	.0020	.0102	.0203	.0498	.0964	.1805	.2541	.3186
.4	2	11	16	.0013	.0066	.0132	.0327	.0642	.1238	.1792	.2306
.4	2	11	22	.0008	.0041	.0083	.0206	.0408	.0799	.1173	.1532
.4	2	16	1	.0019	.0073	.0111	.0166	.0206	.0245	.0267	.0283
.4	2	16	2	.0019	.0086	.0152	.0283	.0399	.0516	.0584	.0631
.4	2	16	4	.0018	.0089	.0171	.0385	.0655	.1009	.1232	.1390
.4	2	16	7	.0016	.0081	.0160	.0384	.0720	.1276	.1714	.2066
.4	2	16	11	.0013	.0066	.0131	.0323	.0627	.1183	.1677	.2117
.4	2	16	16	.0009	.0049	.0097	.0242	.0476	.0923	.1341	.1733
.4	2	16	22	.0006	.0034	.0068	.0169	.0335	.0657	.0967	.1265
.4	2	22	1	.0010	.0069	.0059	.0088	.0110	.0131	.0143	.0151
.4	2	22	2	.0010	.0046	.0082	.0152	.0215	.0278	.0315	.0341
.4	2	22	4	.0010	.0048	.0094	.0211	.0361	.0557	.0663	.0773
.4	2	22	7	.0009	.0046	.0092	.0222	.0416	.0741	.1000	.1210
.4	2	22	11	.0008	.0041	.0082	.0202	.0394	.0746	.1062	.1346
.4	2	22	16	.0008	.0034	.0067	.0168	.0331	.0644	.0939	.1217
.4	2	22	22	.0006	.0036	.0062	.0129	.0257	.0505	.0745	.0976



Table of  $P_{KK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.4	4	1	1	0.0003	0.0017	0.0034	0.0078	0.0139	0.0236	0.0315	0.0382
.4	4	1	2	.0053	.0259	.0503	.1155	.2037	.3317	.4217	.4803
.4	4	1	4	.0116	.0567	.1100	.2507	.4335	.6679	.7991	.8750
.4	4	1	7	.0073	.0300	.0708	.1677	.3070	.5189	.6653	.7668
.4	4	1	11	.0036	.0180	.0358	.0871	.1666	.3054	.4210	.5174
.4	4	1	16	.0018	.0092	.0183	.0452	.0884	.1690	.2425	.3094
.4	4	1	22	.0010	.0050	.0100	.0250	.0493	.0963	.1409	.1833
.4	4	2	1	.0053	.0216	.0354	.0599	.0823	.1074	.1233	.1349
.4	4	2	2	.0092	.0431	.0792	.1601	.2461	.3457	.4066	.4497
.4	4	2	4	.0113	.0551	.1062	.2387	.4057	.6140	.7317	.8036
.4	4	2	7	.0070	.0346	.0681	.1612	.2954	.5005	.6436	.7441
.4	4	2	11	.0035	.0176	.0350	.0853	.1633	.2998	.4138	.5091
.4	4	2	16	.0018	.0091	.0181	.0448	.0876	.1675	.2405	.3070
.4	4	2	22	.0010	.0050	.0100	.0248	.0491	.0958	.1402	.1825
.4	4	4	1	.0116	.0439	.0669	.0994	.1234	.1467	.1600	.1692
.4	4	4	2	.0113	.0509	.0900	.1660	.2323	.2974	.3340	.3593
.4	4	4	4	.0095	.0461	.0884	.1961	.3279	.4878	.5789	.6375
.4	4	4	7	.0060	.0299	.0588	.1396	.2568	.4387	.5691	.6639
.4	4	4	11	.0032	.0163	.0323	.0789	.1514	.2792	.3870	.4781
.4	4	4	16	.0017	.0087	.0174	.0430	.0841	.1611	.2316	.2960
.4	4	4	22	.0009	.0049	.0097	.0243	.0480	.0937	.1372	.1786
.4	4	7	1	.0073	.0275	.0418	.0620	.0767	.0909	.0989	.1015
.4	4	7	2	.0070	.0315	.0556	.1024	.1429	.1827	.2051	.2207
.4	4	7	4	.0060	.0293	.0563	.1255	.2111	.3177	.3811	.4239
.4	4	7	7	.0043	.0216	.0426	.1016	.1882	.3264	.4297	.5082
.4	4	7	11	.0027	.0134	.0267	.0654	.1259	.2341	.3270	.4071
.4	4	7	16	.0015	.0078	.0156	.0386	.0758	.1456	.2099	.2692
.4	4	7	22	.0009	.0046	.0092	.0228	.0452	.0883	.1294	.1687
.4	4	11	1	.0036	.0137	.0208	.0310	.0384	.0457	.0498	.0527
.4	4	11	2	.0035	.0160	.0283	.0523	.0734	.0946	.1068	.1153
.4	4	11	4	.0032	.0159	.0306	.0686	.1163	.1776	.2157	.2422
.4	4	11	7	.0027	.0134	.0264	.0633	.1182	.2077	.2769	.3315
.4	4	11	11	.0019	.0097	.0193	.0475	.0919	.1722	.2427	.3046
.4	4	11	16	.0012	.0064	.0128	.0316	.0622	.1201	.1739	.2239
.4	4	11	22	.0008	.0040	.0081	.0202	.0400	.0784	.1151	.1503
.4	4	16	1	.0018	.0069	.0106	.0158	.0197	.0234	.0255	.0270
.4	4	16	2	.0018	.0082	.0145	.0270	.0381	.0493	.0558	.0603
.4	4	16	4	.0017	.0085	.0164	.0368	.0628	.0966	.1180	.1332
.4	4	16	7	.0015	.0078	.0154	.0370	.0693	.1228	.1650	.1990
.4	4	16	11	.0012	.0064	.0127	.0313	.0606	.1147	.1626	.2054
.4	4	16	16	.0009	.0047	.0095	.0236	.0465	.0902	.1311	.1695
.4	4	16	22	.0006	.0033	.0066	.0166	.0329	.0647	.0952	.1246
.4	4	22	1	.0010	.0038	.0058	.0095	.0107	.0128	.0139	.0147
.4	4	22	2	.0010	.0045	.0080	.0148	.0210	.0272	.0308	.0333
.4	4	22	4	.0009	.0047	.0091	.0206	.0352	.0544	.0667	.0755
.4	4	22	7	.0009	.0045	.0090	.0217	.0407	.0725	.0978	.1184
.4	4	22	11	.0008	.0040	.0080	.0198	.0386	.0732	.1042	.1329
.4	4	22	16	.0006	.0033	.0066	.0165	.0336	.0634	.0924	.1196
.4	4	22	22	.0005	.0025	.0051	.0128	.0253	.0499	.0736	.0964

Table of  $P_{RK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.4	7	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	7	1	2	.0000	.0000	.0001	.0003	.0007	.0013	.0020	.0027
.4	7	1	4	.0018	.0089	.0178	.0437	.0849	.1604	.2278	.2881
.4	7	1	7	.0038	.0189	.0375	.0911	.1736	.3161	.4332	.5296
.4	7	1	11	.0027	.0138	.0274	.0672	.1299	.2429	.3411	.4265
.4	7	1	16	.0016	.0081	.0161	.0399	.0783	.1505	.2170	.2783
.4	7	1	22	.0009	.0047	.0094	.0234	.0462	.0903	.1324	.1725
.4	7	2	1	.0000	.0000	.0000	.0002	.0003	.0005	.0007	.0008
.4	7	2	2	.0002	.0009	.0019	.0045	.0084	.0149	.0204	.0252
.4	7	2	4	.0023	.0114	.0225	.0542	.1023	.1839	.2509	.3071
.4	7	2	7	.0038	.0188	.0373	.0904	.1715	.3102	.4229	.5149
.4	7	2	11	.0027	.0136	.0270	.0662	.1280	.2393	.3360	.4202
.4	7	2	16	.0016	.0080	.0160	.0396	.0770	.1492	.2152	.2760
.4	7	2	22	.0009	.0046	.0093	.0232	.0460	.0898	.1317	.1716
.4	7	4	1	.0017	.0069	.0108	.0169	.0218	.0270	.0302	.0325
.4	7	4	2	.0023	.0105	.0190	.0372	.0558	.0775	.0914	.1018
.4	7	4	4	.0034	.0169	.0329	.0757	.1334	.2164	.2741	.3176
.4	7	4	7	.0036	.0181	.0359	.0864	.1624	.2890	.3891	.4693
.4	7	4	11	.0025	.0128	.0255	.0625	.1209	.2260	.3174	.3971
.4	7	4	16	.0015	.0077	.0154	.0382	.0749	.1440	.2079	.2669
.4	7	4	22	.0009	.0045	.0091	.0227	.0450	.0880	.1290	.1682
.4	7	7	1	.0038	.0144	.0219	.0327	.0407	.0485	.0530	.0561
.4	7	7	2	.0038	.0171	.0303	.0562	.0794	.1030	.1167	.1264
.4	7	7	4	.0036	.0178	.0343	.0770	.1312	.2019	.2465	.2780
.4	7	7	7	.0031	.0155	.0305	.0733	.1370	.2413	.3222	.3863
.4	7	7	11	.0022	.0111	.0220	.0541	.1046	.1959	.2757	.3456
.4	7	7	16	.0014	.0070	.0140	.0347	.0682	.1315	.1902	.2446
.4	7	7	22	.0008	.0043	.0086	.0215	.0425	.0832	.1221	.1593
.4	7	11	1	.0027	.0104	.0159	.0237	.0294	.0350	.0382	.0404
.4	7	11	2	.0027	.0123	.0217	.0403	.0567	.0733	.0829	.0896
.4	7	11	4	.0025	.0125	.0241	.0541	.0920	.1412	.1721	.1939
.4	7	11	7	.0022	.0110	.0218	.0523	.0978	.1727	.2313	.2779
.4	7	11	11	.0017	.0085	.0169	.0415	.0804	.1512	.2137	.2690
.4	7	11	16	.0011	.0058	.0117	.0290	.0571	.1104	.1601	.2065
.4	7	11	22	.0007	.0038	.0077	.0191	.0379	.0743	.1093	.1428
.4	7	16	1	.0016	.0061	.0093	.0139	.0173	.0206	.0225	.0238
.4	7	16	2	.0016	.0072	.0128	.0238	.0336	.0435	.0492	.0533
.4	7	16	4	.0015	.0075	.0145	.0326	.0557	.0858	.1049	.1185
.4	7	16	7	.0014	.0070	.0138	.0332	.0623	.1105	.1487	.1794
.4	7	16	11	.0011	.0058	.0117	.0287	.0558	.1053	.1495	.1889
.4	7	16	16	.0009	.0044	.0089	.0221	.0437	.0847	.1232	.1593
.4	7	16	22	.0006	.0032	.0064	.0159	.0315	.0619	.0912	.1194
.4	7	22	1	.0009	.0035	.0054	.0081	.0100	.0119	.0130	.0138
.4	7	22	2	.0009	.0042	.0074	.0139	.0196	.0254	.0288	.0312
.4	7	22	4	.0009	.0044	.0086	.0193	.0330	.0510	.0625	.0708
.4	7	22	7	.0008	.0043	.0084	.0204	.0383	.0682	.0920	.1114
.4	7	22	11	.0007	.0038	.0076	.0188	.0366	.0694	.0987	.1252
.4	7	22	16	.0006	.0032	.0063	.0158	.0312	.0606	.0884	.1147
.4	7	22	22	.0004	.0024	.0049	.0123	.0245	.0482	.0711	.0933



Table of  $P_{2k}(P_k, y, \sigma_A, \sigma_B, N)$ —Continued

$P_k$	$y/a$	$\sigma_A/a$	$\sigma_B/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.4	11	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	11	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	11	1	4	.0000	.0001	.0003	.0007	.0015	.0030	.0045	.0060
.4	11	1	7	.0009	.0046	.0091	.0238	.0450	.0878	.1286	.1673
.4	11	1	11	.0015	.0077	.0153	.0379	.0744	.1433	.2009	.2656
.4	11	1	16	.0012	.0061	.0123	.0303	.0608	.1160	.1690	.2185
.4	11	1	22	.0008	.0040	.0081	.0202	.0400	.0784	.1182	.1666
.4	11	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	11	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	11	2	4	.0000	.0003	.0007	.0017	.0034	.0068	.0108	.0134
.4	11	2	7	.0009	.0049	.0099	.0245	.0481	.0932	.1384	.1749
.4	11	2	11	.0015	.0077	.0153	.0379	.0743	.1427	.2066	.2640
.4	11	2	16	.0012	.0061	.0121	.0302	.0604	.1153	.1679	.2172
.4	11	2	22	.0008	.0040	.0080	.0201	.0398	.0780	.1147	.1600
.4	11	4	1	.0000	.0000	.0001	.0002	.0003	.0004	.0005	.0006
.4	11	4	2	.0000	.0003	.0006	.0013	.0021	.0033	.0042	.0049
.4	11	4	4	.0003	.0018	.0037	.0080	.0169	.0304	.0419	.0518
.4	11	4	7	.0012	.0061	.0121	.0297	.0676	.1084	.1536	.1990
.4	11	4	11	.0015	.0076	.0152	.0375	.0733	.1402	.2013	.2572
.4	11	4	16	.0011	.0059	.0119	.0294	.0580	.1125	.1636	.2117
.4	11	4	22	.0007	.0039	.0079	.0197	.0391	.0766	.1127	.1673
.4	11	7	1	.0009	.0035	.0063	.0081	.0102	.0122	.0135	.0143
.4	11	7	2	.0009	.0045	.0080	.0152	.0219	.0293	.0338	.0370
.4	11	7	4	.0012	.0059	.0115	.0264	.0461	.0739	.0932	.1078
.4	11	7	7	.0015	.0075	.0148	.0358	.0680	.1233	.1688	.2072
.4	11	7	11	.0014	.0073	.0145	.0357	.0696	.1231	.1684	.2092
.4	11	7	16	.0011	.0055	.0111	.0275	.0542	.1051	.1539	.1978
.4	11	7	22	.0007	.0037	.0075	.0188	.0372	.0730	.1074	.1466
.4	11	11	1	.0015	.0058	.0089	.0132	.0164	.0196	.0214	.0227
.4	11	11	2	.0015	.0060	.0123	.0228	.0323	.0420	.0476	.0516
.4	11	11	4	.0015	.0074	.0143	.0322	.0552	.0855	.1050	.1191
.4	11	11	7	.0014	.0072	.0143	.0344	.0647	.1154	.1556	.1887
.4	11	11	11	.0012	.0063	.0126	.0309	.0601	.1137	.1617	.2046
.4	11	11	16	.0009	.0048	.0097	.0240	.0473	.0918	.1336	.1729
.4	11	11	22	.0006	.0034	.0068	.0170	.0337	.0662	.0975	.1276
.4	11	16	1	.0012	.0046	.0070	.0105	.0131	.0156	.0170	.0180
.4	11	16	2	.0012	.0055	.0097	.0181	.0255	.0331	.0375	.0406
.4	11	16	4	.0011	.0058	.0111	.0251	.0429	.0662	.0911	.0918
.4	11	16	7	.0011	.0055	.0109	.0262	.0493	.0878	.1184	.1432
.4	11	16	11	.0009	.0048	.0096	.0237	.0462	.0874	.1243	.1574
.4	11	16	16	.0007	.0039	.0077	.0193	.0380	.0736	.1075	.1398
.4	11	16	22	.0005	.0029	.0058	.0144	.0286	.0563	.0839	.1067
.4	11	22	1	.0008	.0030	.0046	.0069	.0086	.0103	.0112	.0119
.4	11	22	2	.0008	.0036	.0064	.0120	.0169	.0219	.0249	.0269
.4	11	22	4	.0007	.0038	.0074	.0167	.0296	.0442	.0542	.0614
.4	11	22	7	.0007	.0037	.0074	.0178	.0335	.0507	.0686	.0870
.4	11	22	11	.0006	.0034	.0068	.0167	.0335	.0617	.0879	.1115
.4	11	22	16	.0005	.0029	.0058	.0143	.0283	.0551	.0804	.1043
.4	11	22	22	.0004	.0023	.0046	.0114	.0227	.0448	.0661	.0867

Table of  $P_{\alpha}(P_{\alpha}, p_{\alpha}, \sigma_{\alpha}, N)$ —Continued

$P_{\alpha}$	$p_{\alpha}$	$\sigma_{\alpha}/\sigma$	$\sigma_{\alpha}/\sigma$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.4	16	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	16	1	2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	16	1	4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	16	1	7	0.0000	0.0000	0.0000	0.016	0.032	0.064	0.096	0.127
.4	16	1	11	0.0000	0.0000	0.0000	0.128	0.256	0.512	0.768	1.024
.4	16	1	16	0.0007	0.0036	0.0072	0.181	0.361	0.721	1.081	1.441
.4	16	1	22	0.0006	0.0030	0.0061	0.153	0.304	0.607	0.910	1.213
.4	16	2	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	16	2	2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	16	2	4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	16	2	7	0.0000	0.0000	0.0000	0.020	0.040	0.080	0.119	0.158
.4	16	2	11	0.0000	0.0000	0.0000	0.131	0.260	0.513	0.766	1.019
.4	16	2	16	0.0007	0.0036	0.0072	0.181	0.361	0.721	1.081	1.441
.4	16	2	22	0.0006	0.0030	0.0061	0.153	0.303	0.606	0.909	1.212
.4	16	4	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	16	4	2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	16	4	4	0.0000	0.0000	0.0000	0.001	0.002	0.005	0.007	0.010
.4	16	4	7	0.0001	0.0007	0.0013	0.038	0.077	0.151	0.223	0.292
.4	16	4	11	0.0000	0.0000	0.0000	0.142	0.282	0.552	0.812	1.061
.4	16	4	16	0.0007	0.0036	0.0072	0.180	0.357	0.701	1.031	1.348
.4	16	4	22	0.0006	0.0030	0.0060	0.151	0.300	0.591	0.872	1.145
.4	16	7	1	0.0000	0.0001	0.0002	0.004	0.006	0.007	0.008	0.008
.4	16	7	2	0.0000	0.0003	0.0006	0.012	0.019	0.026	0.031	0.035
.4	16	7	4	0.0001	0.0007	0.0014	0.034	0.063	0.107	0.141	0.169
.4	16	7	7	0.0003	0.0019	0.0038	0.093	0.179	0.338	0.478	0.605
.4	16	7	11	0.0006	0.0033	0.0066	0.163	0.321	0.622	0.903	1.166
.4	16	7	16	0.0007	0.0033	0.0071	0.178	0.352	0.688	1.009	1.316
.4	16	7	22	0.0005	0.0029	0.0058	0.146	0.290	0.571	0.844	1.108
.4	16	11	1	0.0000	0.0000	0.0000	0.004	0.005	0.006	0.007	0.007
.4	16	11	2	0.0000	0.0003	0.0006	0.012	0.019	0.026	0.031	0.035
.4	16	11	4	0.0000	0.0007	0.0013	0.034	0.063	0.107	0.141	0.169
.4	16	11	7	0.0000	0.0003	0.0006	0.012	0.019	0.026	0.031	0.035
.4	16	11	11	0.0000	0.0003	0.0006	0.012	0.019	0.026	0.031	0.035
.4	16	11	16	0.0000	0.0003	0.0006	0.012	0.019	0.026	0.031	0.035
.4	16	11	22	0.0000	0.0003	0.0006	0.012	0.019	0.026	0.031	0.035
.4	16	16	1	0.0007	0.0027	0.0042	0.062	0.077	0.092	0.101	0.106
.4	16	16	2	0.0007	0.0027	0.0042	0.062	0.077	0.092	0.101	0.106
.4	16	16	4	0.0007	0.0027	0.0042	0.062	0.077	0.092	0.101	0.106
.4	16	16	7	0.0007	0.0027	0.0042	0.062	0.077	0.092	0.101	0.106
.4	16	16	11	0.0006	0.0024	0.0048	0.166	0.324	0.616	0.879	1.117
.4	16	16	16	0.0006	0.0024	0.0048	0.166	0.324	0.616	0.879	1.117
.4	16	16	22	0.0004	0.0024	0.0048	0.120	0.239	0.470	0.694	0.911
.4	16	22	1	0.0006	0.0023	0.0035	0.052	0.065	0.078	0.085	0.088
.4	16	22	2	0.0006	0.0023	0.0035	0.052	0.065	0.078	0.085	0.088
.4	16	22	4	0.0006	0.0023	0.0035	0.052	0.065	0.078	0.085	0.088
.4	16	22	7	0.0005	0.0023	0.0035	0.052	0.065	0.078	0.085	0.088
.4	16	22	11	0.0005	0.0023	0.0035	0.052	0.065	0.078	0.085	0.088
.4	16	22	16	0.0004	0.0024	0.0048	0.119	0.236	0.460	0.672	0.873
.4	16	22	22	0.0004	0.0020	0.0040	0.100	0.198	0.390	0.576	0.757

Table of  $P_{AK}(P_R, y/a, \sigma_A/a, \sigma_R/a, N)$ —Continued

$P_R$	$y/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.4	22	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.4	22	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	1	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	1	7	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001
.4	22	1	11	.0000	.0004	.0008	.0020	.0040	.0080	.0120	.0159
.4	22	1	16	.0003	.0015	.0030	.0075	.0150	.0298	.0444	.0587
.4	22	1	22	.0003	.0019	.0038	.0096	.0191	.0379	.0564	.0744
.4	22	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	2	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	2	7	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0002
.4	22	2	11	.0000	.0004	.0008	.0021	.0043	.0085	.0128	.0171
.4	22	2	16	.0003	.0015	.0030	.0076	.0151	.0300	.0447	.0592
.4	22	2	22	.0003	.0019	.0038	.0096	.0191	.0379	.0563	.0744
.4	22	4	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	4	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	4	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	4	7	.0000	.0000	.0000	.0001	.0002	.0004	.0006	.0009
.4	22	4	11	.0001	.0005	.0011	.0027	.0054	.0108	.0162	.0215
.4	22	4	16	.0003	.0015	.0031	.0078	.0157	.0311	.0462	.0610
.4	22	4	22	.0003	.0019	.0038	.0096	.0191	.0379	.0562	.0742
.4	22	7	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	7	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.4	22	7	4	.0000	.0000	.0000	.0000	.0001	.0002	.0004	.0005
.4	22	7	7	.0000	.0001	.0003	.0009	.0018	.0035	.0051	.0067
.4	22	7	11	.0001	.0008	.0017	.0043	.0086	.0169	.0250	.0328
.4	22	7	16	.0003	.0017	.0034	.0085	.0168	.0333	.0493	.0649
.4	22	7	22	.0003	.0019	.0038	.0095	.0190	.0376	.0558	.0736
.4	22	11	1	.0000	.0002	.0004	.0006	.0007	.0009	.0009	.0010
.4	22	11	2	.0000	.0003	.0006	.0013	.0018	.0024	.0028	.0031
.4	22	11	4	.0001	.0005	.0010	.0023	.0041	.0066	.0084	.0098
.4	22	11	7	.0001	.0008	.0017	.0041	.0079	.0147	.0205	.0256
.4	22	11	11	.0002	.0014	.0028	.0070	.0137	.0266	.0387	.0500
.4	22	11	16	.0003	.0018	.0037	.0092	.0183	.0360	.0530	.0694
.4	22	11	22	.0003	.0018	.0037	.0093	.0186	.0368	.0545	.0718
.4	22	16	1	.0003	.0011	.0017	.0025	.0032	.0038	.0041	.0043
.4	22	16	2	.0003	.0013	.0024	.0045	.0064	.0083	.0095	.0103
.4	22	16	4	.0003	.0015	.0029	.0066	.0114	.0179	.0221	.0252
.4	22	16	7	.0003	.0016	.0033	.0080	.0152	.0273	.0373	.0456
.4	22	16	11	.0003	.0018	.0037	.0091	.0178	.0340	.0489	.0624
.4	22	16	16	.0003	.0019	.0038	.0095	.0188	.0368	.0540	.0704
.4	22	16	22	.0003	.0017	.0035	.0088	.0176	.0347	.0514	.0676
.4	22	22	1	.0003	.0014	.0022	.0033	.0041	.0048	.0053	.0056
.4	22	22	2	.0003	.0017	.0030	.0057	.0080	.0104	.0118	.0128
.4	22	22	4	.0003	.0018	.0036	.0081	.0139	.0215	.0265	.0300
.4	22	22	7	.0003	.0019	.0037	.0090	.0170	.0304	.0412	.0501
.4	22	22	11	.0003	.0018	.0037	.0092	.0179	.0341	.0487	.0620
.4	22	22	16	.0003	.0017	.0035	.0088	.0174	.0339	.0496	.0646
.4	22	22	22	.0003	.0015	.0031	.0079	.0156	.0309	.0457	.0601

Table of  $P_{\alpha}(P_{\alpha}, y_{\alpha}, \sigma_{\alpha}, \sigma_{\beta}, N)$ —Continued

$P_{\alpha}$	$y_{\alpha}/\sigma$	$\sigma_{\alpha}/\sigma$	$\sigma_{\beta}/\sigma$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.7	0	1	1	0.3259	0.8078	0.9282	0.9826	0.9940	0.9979	0.9988	0.9992
.7	0	1	2	.1562	.5675	.8069	.9782	.9985	.9999	.9999	.9999
.7	0	1	4	.0503	.2276	.4033	.7245	.9236	.9839	.9995	.9999
.7	0	1	7	.0175	.0848	.1624	.3580	.5878	.8300	.9299	.9710
.7	0	1	11	.0072	.0357	.0702	.1664	.3051	.5172	.6845	.7969
.7	0	1	16	.0034	.0171	.0339	.0826	.1584	.2918	.4040	.4984
.7	0	1	22	.0018	.0091	.0181	.0447	.0875	.1674	.2403	.3068
.7	0	2	1	.1564	.4485	.5759	.7021	.7710	.8232	.8477	.8628
.7	0	2	2	.1025	.3970	.6046	.8346	.9240	.9656	.9784	.9844
.7	0	2	4	.0430	.1960	.3537	.6587	.8761	.9794	.9951	.9984
.7	0	2	7	.0165	.0802	.1540	.3415	.5659	.8107	.9170	.9634
.7	0	2	11	.0070	.0349	.0686	.1627	.2990	.5086	.6554	.7584
.7	0	2	16	.0034	.0169	.0335	.0818	.1570	.2803	.4009	.4940
.7	0	2	22	.0018	.0090	.0180	.0445	.0871	.1666	.2392	.3055
.7	0	4	1	.0504	.1538	.2079	.2745	.3203	.3626	.3858	.4016
.7	0	4	2	.0430	.1749	.2806	.4350	.5363	.6200	.6617	.6885
.7	0	4	4	.0272	.1269	.2330	.4607	.6651	.8247	.8842	.9139
.7	0	4	7	.0135	.0658	.1271	.2866	.4869	.7275	.8406	.9134
.7	0	4	11	.0064	.0319	.0627	.1495	.2764	.4756	.6194	.7232
.7	0	4	16	.0032	.0161	.0321	.0783	.1506	.2784	.3870	.4792
.7	0	4	22	.0017	.0088	.0176	.0435	.0851	.1620	.2342	.2993
.7	0	7	1	.0175	.0545	.0747	.1008	.1197	.1379	.1483	.1555
.7	0	7	2	.0166	.0684	.1118	.1804	.2317	.2801	.3069	.3254
.7	0	7	4	.0135	.0638	.1187	.2435	.3706	.4968	.5610	.6017
.7	0	7	7	.0090	.0440	.0855	.1963	.3431	.5395	.6579	.7330
.7	0	7	11	.0052	.0257	.0508	.1219	.2277	.3906	.5301	.6295
.7	0	7	16	.0029	.0144	.0287	.0701	.1353	.2518	.3523	.4389
.7	0	7	22	.0016	.0083	.0165	.0408	.0800	.1536	.2212	.2835
.7	0	11	1	.0072	.0226	.0311	.0422	.0505	.0584	.0630	.0662
.7	0	11	2	.0070	.0293	.0482	.0789	.1027	.1260	.1393	.1487
.7	0	11	4	.0064	.0305	.0571	.1190	.1852	.2566	.2967	.3238
.7	0	11	7	.0052	.0255	.0498	.1155	.2055	.3337	.4187	.4783
.7	0	11	11	.0036	.0181	.0359	.0865	.1633	.2921	.3945	.4765
.7	0	11	16	.0023	.0117	.0232	.0570	.1105	.2075	.2927	.3677
.7	0	11	22	.0014	.0073	.0145	.0360	.0708	.1363	.1971	.2534
.7	0	16	1	.0034	.0107	.0148	.0202	.0242	.0280	.0303	.0318
.7	0	16	2	.0034	.0141	.0233	.0383	.0502	.0619	.0687	.0735
.7	0	16	4	.0032	.0154	.0289	.0607	.0952	.1338	.1561	.1717
.7	0	16	7	.0029	.0142	.0279	.0650	.1167	.1926	.2451	.2835
.7	0	16	11	.0023	.0116	.0231	.0559	.1062	.1924	.2630	.3214
.7	0	16	16	.0017	.0086	.0171	.0422	.0820	.1553	.2207	.2792
.7	0	16	22	.0012	.0059	.0119	.0295	.0581	.1124	.1632	.2106
.7	0	22	1	.0018	.0057	.0078	.0107	.0128	.0149	.0161	.0169
.7	0	22	2	.0018	.0075	.0124	.0205	.0269	.0333	.0370	.0396
.7	0	22	4	.0017	.0084	.0158	.0332	.0523	.0738	.0866	.0955
.7	0	22	7	.0016	.0081	.0160	.0374	.0674	.1120	.1436	.1671
.7	0	22	11	.0014	.0072	.0144	.0350	.0667	.1217	.1674	.2059
.7	0	22	16	.0012	.0059	.0119	.0293	.0571	.1086	.1552	.1974
.7	0	22	22	.0009	.0045	.0091	.0226	.0446	.0865	.1260	.1633

Table of  $P_{RK}(P_R, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_R$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.7	1	1	1	0.2279	0.6326	0.7863	0.9053	0.9506	0.9747	0.9829	0.9871
.7	1	1	2	.1312	.4049	.7311	.9440	.9905	.9988	.9996	.9998
.7	1	1	4	.0476	.2162	.3853	.7023	.9099	.9912	.9990	.9998
.7	1	1	7	.0172	.0832	.1595	.3523	.5804	.8238	.9259	.9688
.7	1	1	11	.0071	.0354	.0696	.1652	.3031	.5143	.6615	.7641
.7	1	1	16	.0034	.0170	.0338	.0824	.1581	.2912	.4033	.4976
.7	1	1	22	.0018	.0091	.0181	.0447	.0874	.1672	.2401	.3065
.7	1	2	1	.1313	.3834	.4995	.6222	.6940	.7515	.7798	.7977
.7	1	2	2	.0913	.3579	.5517	.7815	.8841	.9395	.9589	.9687
.7	1	2	4	.0410	.1882	.3392	.6376	.8582	.9715	.9918	.9968
.7	1	2	7	.0162	.0788	.1513	.3362	.5587	.8040	.9123	.9604
.7	1	2	11	.0070	.0346	.0680	.1616	.2970	.5057	.6524	.7555
.7	1	2	16	.0033	.0168	.0334	.0815	.1504	.2884	.3997	.4936
.7	1	2	22	.0018	.0090	.0180	.0444	.0869	.1663	.2388	.3050
.7	1	4	1	.0476	.1455	.1970	.2606	.3046	.3453	.3677	.3830
.7	1	4	2	.0410	.1668	.2681	.4170	.5159	.5986	.6403	.6672
.7	1	4	4	.0204	.1231	.2263	.4488	.6503	.8105	.8718	.9031
.7	1	4	7	.0133	.0649	.1253	.2827	.4810	.7207	.8434	.9083
.7	1	4	11	.0064	.0316	.0623	.1485	.2747	.4730	.6164	.7203
.7	1	4	16	.0032	.0161	.0320	.0781	.1501	.2776	.3859	.4779
.7	1	4	22	.0017	.0088	.0176	.0434	.0849	.1626	.2338	.2988
.7	1	7	1	.0172	.0534	.0732	.0989	.1175	.1354	.1455	.1526
.7	1	7	2	.0162	.0672	.1097	.1772	.2277	.2754	.3019	.3201
.7	1	7	4	.0133	.0628	.1169	.2400	.3655	.4905	.5543	.5948
.7	1	7	7	.0089	.0436	.0847	.1944	.3400	.5351	.6529	.7280
.7	1	7	11	.0051	.0256	.0505	.1212	.2265	.3977	.5277	.6269
.7	1	7	16	.0028	.0144	.0286	.0699	.1349	.2511	.3513	.4378
.7	1	7	22	.0016	.0082	.0165	.0407	.0799	.1533	.2209	.2830
.7	1	11	1	.0072	.0224	.0308	.0419	.0501	.0580	.0625	.0657
.7	1	11	2	.0070	.0291	.0478	.0783	.1019	.1250	.1383	.1476
.7	1	11	4	.0064	.0303	.0567	.1182	.1839	.2549	.2947	.3217
.7	1	11	7	.0051	.0254	.0495	.1148	.2043	.3319	.4165	.4759
.7	1	11	11	.0036	.0180	.0357	.0862	.1626	.2910	.3930	.4748
.7	1	11	16	.0023	.0116	.0232	.0509	.1102	.2070	.2920	.3669
.7	1	11	22	.0014	.0073	.0145	.0360	.0706	.1361	.1968	.2531
.7	1	16	1	.0034	.0107	.0148	.0201	.0241	.0279	.0301	.0317
.7	1	16	2	.0034	.0141	.0232	.0382	.0500	.0617	.0684	.0732
.7	1	16	4	.0032	.0154	.0288	.0605	.0949	.1333	.1556	.1711
.7	1	16	7	.0029	.0142	.0278	.0648	.1163	.1920	.2443	.2826
.7	1	16	11	.0023	.0116	.0230	.0558	.1060	.1919	.2624	.3206
.7	1	16	16	.0017	.0086	.0171	.0421	.0819	.1550	.2203	.2787
.7	1	16	22	.0012	.0059	.0119	.0295	.0580	.1123	.1630	.2103
.7	1	22	1	.0018	.0057	.0078	.0107	.0128	.0149	.0160	.0169
.7	1	22	2	.0018	.0075	.0124	.0205	.0268	.0332	.0369	.0395
.7	1	22	4	.0017	.0084	.0157	.0331	.0522	.0737	.0864	.0953
.7	1	22	7	.0016	.0081	.0159	.0373	.0672	.1118	.1433	.1668
.7	1	22	11	.0014	.0072	.0144	.0349	.0606	.1215	.1672	.2056
.7	1	22	16	.0012	.0059	.0118	.0292	.0570	.1085	.1550	.1971
.7	1	22	22	.0009	.0045	.0091	.0226	.0445	.0864	.1259	.1631

Table of  $P_{RK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.7	2	1	1	0.0752	0.2626	0.3858	0.5535	0.6658	0.7581	0.8024	0.8296
.7	2	1	2	.0776	.3196	.5165	.7878	.9186	.9759	.9893	.9942
.7	2	1	4	.0401	.1850	.3349	.6358	.8629	.9784	.9960	.9991
.7	2	1	7	.0162	.0786	.1510	.3357	.5584	.8045	.9132	.9614
.7	2	1	11	.0070	.0346	.0680	.1615	.2969	.5057	.6524	.7555
.7	2	1	16	.0033	.0168	.0334	.0814	.1562	.2880	.3902	.4930
.7	2	1	22	.0018	.0090	.0180	.0444	.0868	.1602	.2386	.3047
.7	2	2	1	.0776	.2380	.3225	.4257	.4951	.5571	.5901	.6121
.7	2	2	2	.0647	.2613	.4162	.6318	.7579	.8460	.8832	.9044
.7	2	2	4	.0355	.1641	.2987	.5764	.8023	.9428	.9776	.9891
.7	2	2	7	.0154	.0746	.1436	.3208	.5374	.7837	.8976	.9508
.7	2	2	11	.0068	.0338	.0665	.1580	.2911	.4972	.6433	.7468
.7	2	2	16	.0033	.0166	.0330	.0806	.1548	.2856	.3962	.4896
.7	2	2	22	.0018	.0090	.0179	.0441	.0864	.1654	.2375	.3034
.7	2	4	1	.0402	.1233	.1676	.2229	.2618	.2982	.3184	.3322
.7	2	4	2	.0355	.1449	.2339	.3674	.4591	.5385	.5793	.6062
.7	2	4	4	.0241	.1126	.2075	.4146	.6072	.7684	.8345	.8700
.7	2	4	7	.0127	.0620	.1199	.2713	.4637	.7002	.8246	.8925
.7	2	4	11	.0062	.0310	.0610	.1455	.2695	.4652	.6076	.7114
.7	2	4	16	.0032	.0159	.0316	.0772	.1485	.2749	.3825	.4740
.7	2	4	22	.0017	.0087	.0174	.0431	.0844	.1617	.2325	.2973
.7	2	7	1	.0162	.0504	.0691	.0933	.1109	.1279	.1376	.1443
.7	2	7	2	.0154	.0636	.1039	.1680	.2162	.2618	.2872	.3047
.7	2	7	4	.0127	.0600	.1118	.2298	.3507	.4721	.5346	.5747
.7	2	7	7	.0086	.0423	.0822	.1889	.3308	.5219	.6383	.7131
.7	2	7	11	.0050	.0251	.0496	.1191	.2228	.3917	.5205	.6190
.7	2	7	16	.0028	.0142	.0283	.0693	.1336	.2489	.3484	.4344
.7	2	7	22	.0016	.0082	.0164	.0405	.0794	.1525	.2198	.2816
.7	2	11	1	.0070	.0219	.0301	.0409	.0489	.0566	.0610	.0641
.7	2	11	2	.0068	.0284	.0467	.0764	.0996	.1222	.1352	.1442
.7	2	11	4	.0062	.0297	.0555	.1157	.1801	.2497	.2889	.3155
.7	2	11	7	.0050	.0249	.0486	.1129	.2009	.3266	.4101	.4688
.7	2	11	11	.0036	.0178	.0353	.0852	.1607	.2877	.3887	.4699
.7	2	11	16	.0023	.0115	.0230	.0564	.1094	.2054	.2899	.3643
.7	2	11	22	.0014	.0072	.0145	.0358	.0703	.1355	.1959	.2519
.7	2	16	1	.0034	.0106	.0146	.0199	.0238	.0276	.0298	.0313
.7	2	16	2	.0033	.0139	.0230	.0378	.0494	.0610	.0677	.0724
.7	2	16	4	.0032	.0152	.0285	.0598	.0939	.1319	.1540	.1693
.7	2	16	7	.0028	.0141	.0275	.0642	.1152	.1902	.2421	.2801
.7	2	16	11	.0023	.0115	.0228	.0554	.1051	.1905	.2604	.3182
.7	2	16	16	.0017	.0085	.0170	.0418	.0814	.1541	.2191	.2772
.7	2	16	22	.0011	.0059	.0118	.0294	.0578	.1118	.1623	.2096
.7	2	22	1	.0018	.0056	.0078	.0106	.0127	.0148	.0159	.0168
.7	2	22	2	.0018	.0075	.0123	.0203	.0267	.0330	.0367	.0392
.7	2	22	4	.0017	.0083	.0156	.0329	.0519	.0733	.0859	.0947
.7	2	22	7	.0016	.0081	.0158	.0371	.0669	.1112	.1425	.1659
.7	2	22	11	.0014	.0072	.0143	.0348	.0663	.1209	.1664	.2046
.7	2	22	16	.0011	.0059	.0118	.0291	.0568	.1080	.1544	.1964
.7	2	22	22	.0009	.0045	.0091	.0225	.0444	.0862	.1255	.1626



Table of  $P_{HK}(P_K, y_0/a, \sigma_A/a, \sigma_H/a, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_H/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.7	4	1	1	0.0006	0.0030	0.0057	0.0125	0.0215	0.0350	0.0454	0.0541
.7	4	1	2	.0003	.0446	.0846	.1841	.3047	.4582	.5542	.6210
.7	4	1	4	.0203	.0974	.1845	.3944	.6232	.8431	.9289	.9654
.7	4	1	7	.0128	.0624	.1209	.2752	.4739	.7217	.8519	.9207
.7	4	1	11	.0063	.0314	.0618	.1476	.2733	.4719	.6160	.7208
.7	4	1	16	.0032	.0160	.0319	.0778	.1496	.2769	.3851	.4771
.7	4	1	22	.0017	.0088	.0175	.0433	.0848	.1625	.2335	.2985
.7	4	2	1	.0093	.0330	.0500	.0780	.1025	.1296	.1463	.1585
.7	4	2	2	.0162	.0715	.1248	.2290	.3265	.4301	.4902	.5316
.7	4	2	4	.0198	.0942	.1769	.3705	.5745	.7726	.8600	.9056
.7	4	2	7	.0123	.0600	.1162	.2647	.4568	.6992	.8300	.9020
.7	4	2	11	.0062	.0307	.0606	.1447	.2682	.4641	.6071	.7117
.7	4	2	16	.0032	.0159	.0316	.0771	.1483	.2747	.3822	.4738
.7	4	2	22	.0017	.0087	.0174	.0431	.0844	.1617	.2325	.2973
.7	4	4	1	.0203	.0636	.0876	.1192	.1424	.1651	.1780	.1870
.7	4	4	2	.0198	.0823	.1351	.2203	.2855	.3479	.3827	.4067
.7	4	4	4	.0167	.0786	.1464	.3006	.4576	.6117	.6877	.7341
.7	4	4	7	.0106	.0518	.1005	.2299	.3995	.6210	.7488	.8258
.7	4	4	11	.0057	.0284	.0560	.1340	.2495	.4348	.5729	.6760
.7	4	4	16	.0030	.0152	.0303	.0740	.1426	.2647	.3692	.4588
.7	4	4	22	.0017	.0085	.0170	.0421	.0825	.1582	.2277	.2914
.7	4	7	1	.0128	.0398	.0547	.0741	.0883	.1020	.1098	.1153
.7	4	7	2	.0123	.0509	.0834	.1356	.1754	.2137	.2353	.2502
.7	4	7	4	.0106	.0501	.0935	.1932	.2972	.4048	.4623	.4999
.7	4	7	7	.0076	.0375	.0729	.1682	.2962	.4721	.5825	.6557
.7	4	7	11	.0047	.0234	.0463	.1113	.2088	.3689	.4924	.5882
.7	4	7	16	.0027	.0137	.0272	.0667	.1287	.2403	.3370	.4209
.7	4	7	22	.0016	.0080	.0160	.0396	.0777	.1494	.2154	.2762
.7	4	11	1	.0063	.0198	.0273	.0371	.0444	.0514	.0554	.0583
.7	4	11	2	.0062	.0258	.0425	.0696	.0907	.1115	.1234	.1317
.7	4	11	4	.0057	.0272	.0509	.1062	.1656	.2302	.2668	.2917
.7	4	11	7	.0047	.0232	.0453	.1054	.1878	.3062	.3854	.4414
.7	4	11	11	.0034	.0170	.0336	.0811	.1533	.2748	.3721	.4505
.7	4	11	16	.0022	.0112	.0223	.0547	.1060	.1994	.2818	.3544
.7	4	11	22	.0014	.0071	.0142	.0351	.0690	.1330	.1924	.2475
.7	4	16	1	.0032	.0101	.0139	.0190	.0227	.0264	.0285	.0299
.7	4	16	2	.0032	.0133	.0219	.0361	.0472	.0583	.0647	.0692
.7	4	16	4	.0030	.0145	.0273	.0572	.0899	.1264	.1476	.1624
.7	4	16	7	.0027	.0135	.0264	.0617	.1109	.1832	.2333	.2700
.7	4	16	11	.0022	.0112	.0221	.0536	.1019	.1848	.2527	.3090
.7	4	16	16	.0016	.0083	.0166	.0409	.0796	.1507	.2143	.2713
.7	4	16	22	.0011	.0058	.0116	.0289	.0569	.1101	.1598	.2064
.7	4	22	1	.0017	.0055	.0076	.0104	.0124	.0144	.0156	.0163
.7	4	22	2	.0017	.0073	.0120	.0198	.0260	.0322	.0358	.0383
.7	4	22	4	.0017	.0081	.0153	.0321	.0506	.0716	.0839	.0926
.7	4	22	7	.0016	.0079	.0155	.0362	.0654	.1088	.1394	.1623
.7	4	22	11	.0014	.0071	.0140	.0341	.0650	.1186	.1632	.2007
.7	4	22	16	.0011	.0058	.0116	.0286	.0559	.1063	.1520	.1934
.7	4	22	22	.0009	.0045	.0089	.0222	.0438	.0851	.1240	.1607

Table of  $P_{NK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.7	7	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.7	7	1	2	.0000	.0001	.0002	.0006	.0012	.0024	.0036	.0047
.7	7	1	4	.0031	.0156	.0309	.0749	.1425	.2589	.3551	.4353
.7	7	1	7	.0066	.0329	.0648	.1539	.2834	.4842	.6271	.7293
.7	7	1	11	.0048	.0241	.0476	.1148	.2163	.3856	.5181	.6218
.7	7	1	16	.0028	.0141	.0281	.0689	.1331	.2484	.3484	.4351
.7	7	1	22	.0016	.0082	.0164	.0406	.0795	.1527	.2201	.2822
.7	7	2	1	.0000	.0000	.0001	.0003	.0005	.0008	.0010	.0012
.7	7	2	2	.0003	.0017	.0033	.0075	.0134	.0229	.0305	.0370
.7	7	2	4	.0040	.0198	.0387	.0909	.1653	.2804	.3661	.4329
.7	7	2	7	.0066	.0328	.0644	.1523	.2786	.4717	.6076	.7047
.7	7	2	11	.0047	.0237	.0469	.1131	.2131	.3799	.5106	.6131
.7	7	2	16	.0028	.0140	.0279	.0683	.1319	.2463	.3456	.4317
.7	7	2	22	.0016	.0082	.0163	.0403	.0791	.1520	.2191	.2808
.7	7	4	1	.0031	.0102	.0146	.0209	.0261	.0314	.0347	.0371
.7	7	4	2	.0040	.0172	.0294	.0522	.0732	.0970	.1120	.1230
.7	7	4	4	.0060	.0291	.0554	.1207	.1990	.2976	.3600	.4050
.7	7	4	7	.0064	.0315	.0617	.1445	.2605	.4318	.5491	.6325
.7	7	4	11	.0045	.0224	.0443	.1068	.2012	.3589	.4829	.5809
.7	7	4	16	.0027	.0135	.0269	.0659	.1273	.2381	.3345	.4184
.7	7	4	22	.0016	.0080	.0160	.0395	.0774	.1489	.2147	.2755
.7	7	7	1	.0066	.0209	.0288	.0393	.0471	.0547	.0591	.0622
.7	7	7	2	.0066	.0277	.0456	.0752	.0986	.1220	.1356	.1451
.7	7	7	4	.0064	.0304	.0571	.1196	.1879	.2637	.3075	.3377
.7	7	7	7	.0054	.0269	.0525	.1221	.2181	.3565	.4495	.5155
.7	7	7	11	.0039	.0193	.0383	.0924	.1744	.3120	.4215	.5091
.7	7	7	16	.0024	.0123	.0244	.0600	.1162	.2180	.3073	.3856
.7	7	7	22	.0015	.0075	.0151	.0373	.0732	.1410	.2037	.2617
.7	7	11	1	.0048	.0152	.0209	.0284	.0340	.0395	.0426	.0448
.7	7	11	2	.0048	.0199	.0327	.0538	.0703	.0866	.0960	.1026
.7	7	11	4	.0045	.0214	.0401	.0840	.1315	.1840	.2142	.2351
.7	7	11	7	.0036	.0192	.0374	.0872	.1500	.2562	.3245	.3738
.7	7	11	11	.0029	.0148	.0293	.0710	.1345	.2424	.3297	.4010
.7	7	11	16	.0020	.0102	.0204	.0502	.0975	.1838	.2603	.3283
.7	7	11	22	.0013	.0067	.0134	.0333	.0654	.1262	.1829	.2356
.7	7	16	1	.0028	.0089	.0123	.0167	.0200	.0232	.0250	.0263
.7	7	16	2	.0028	.0117	.0193	.0318	.0417	.0515	.0571	.0611
.7	7	16	4	.0027	.0129	.0242	.0508	.0798	.1124	.1314	.1447
.7	7	16	7	.0024	.0121	.0237	.0555	.0997	.1651	.2106	.2442
.7	7	16	11	.0020	.0102	.0203	.0492	.0936	.1699	.2328	.2851
.7	7	16	16	.0015	.0078	.0156	.0384	.0747	.1416	.2016	.2556
.7	7	16	22	.0011	.0056	.0111	.0276	.0544	.1054	.1532	.1980
.7	7	22	1	.0016	.0051	.0071	.0097	.0116	.0135	.0145	.0153
.7	7	22	2	.0016	.0068	.0112	.0185	.0243	.0301	.0335	.0358
.7	7	22	4	.0016	.0076	.0143	.0301	.0474	.0671	.0786	.0868
.7	7	22	7	.0015	.0074	.0146	.0341	.0615	.1024	.1313	.1529
.7	7	22	11	.0013	.0067	.0133	.0323	.0616	.1124	.1548	.1905
.7	7	22	16	.0011	.0056	.0111	.0274	.0535	.1018	.1456	.1853
.7	7	22	22	.0008	.0043	.0086	.0215	.0424	.0823	.1200	.1555



Table of  $P_{NK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.7	11	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.7	11	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	11	1	4	.0000	.0002	.0005	.0013	.0026	.0053	.0079	.0105
.7	11	1	7	.0016	.0080	.0160	.0395	.0774	.1482	.2131	.2726
.7	11	1	11	.0027	.0134	.0267	.0655	.1267	.2370	.3333	.4171
.7	11	1	16	.0021	.0107	.0213	.0525	.1023	.1942	.2766	.3505
.7	11	1	22	.0014	.0071	.0141	.0351	.0689	.1332	.1929	.2486
.7	11	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	11	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	11	2	4	.0001	.0006	.0012	.0030	.0060	.0118	.0174	.0228
.7	11	2	7	.0017	.0086	.0172	.0423	.0823	.1555	.2210	.2797
.7	11	2	11	.0027	.0134	.0267	.0654	.1262	.2356	.3306	.4131
.7	11	2	16	.0021	.0106	.0212	.0522	.1017	.1930	.2749	.3483
.7	11	2	22	.0014	.0070	.0141	.0349	.0686	.1326	.1921	.2476
.7	11	4	1	.0000	.0001	.0002	.0003	.0004	.0006	.0007	.0007
.7	11	4	2	.0001	.0005	.0009	.0019	.0031	.0046	.0058	.0067
.7	11	4	4	.0006	.0032	.0064	.0150	.0273	.0470	.0628	.0759
.7	11	4	7	.0021	.0106	.0210	.0508	.0963	.1744	.2389	.2932
.7	11	4	11	.0026	.0133	.0264	.0646	.1242	.2300	.3205	.3983
.7	11	4	16	.0020	.0104	.0207	.0509	.0992	.1881	.2678	.3392
.7	11	4	22	.0013	.0069	.0138	.0343	.0674	.1302	.1888	.2433
.7	11	7	1	.0016	.0051	.0071	.0098	.0119	.0140	.0152	.0160
.7	11	7	2	.0017	.0073	.0122	.0207	.0279	.0355	.0402	.0436
.7	11	7	4	.0021	.0102	.0194	.0418	.0681	.1011	.1224	.1382
.7	11	7	7	.0026	.0130	.0255	.0604	.1106	.1890	.2476	.2932
.7	11	7	11	.0025	.0127	.0252	.0613	.1172	.2146	.2962	.3651
.7	11	7	16	.0019	.0097	.0194	.0477	.0928	.1758	.2502	.3169
.7	11	7	22	.0013	.0066	.0132	.0326	.0642	.1242	.1801	.2323
.7	11	11	1	.0027	.0084	.0116	.0159	.0190	.0221	.0239	.0251
.7	11	11	2	.0027	.0112	.0185	.0306	.0402	.0498	.0554	.0594
.7	11	11	4	.0026	.0127	.0239	.0503	.0795	.1127	.1325	.1465
.7	11	11	7	.0025	.0126	.0246	.0576	.1040	.1732	.2223	.2589
.7	11	11	11	.0022	.0110	.0218	.0530	.1010	.1839	.2525	.3100
.7	11	11	16	.0017	.0085	.0169	.0416	.0810	.1536	.2188	.2774
.7	11	11	22	.0012	.0060	.0119	.0296	.0582	.1127	.1637	.2114
.7	11	16	1	.0021	.0067	.0093	.0126	.0151	.0176	.0190	.0199
.7	11	16	2	.0021	.0089	.0147	.0242	.0317	.0392	.0436	.0466
.7	11	16	4	.0020	.0099	.0186	.0391	.0616	.0870	.1020	.1125
.7	11	16	7	.0019	.0096	.0188	.0439	.0791	.1316	.1685	.1960
.7	11	16	11	.0017	.0084	.0168	.0407	.0776	.1414	.1944	.2389
.7	11	16	16	.0013	.0068	.0135	.0334	.0651	.1237	.1766	.2243
.7	11	16	22	.0010	.0050	.0101	.0251	.0495	.0960	.1396	.1807
.7	11	22	1	.0014	.0044	.0061	.0083	.0100	.0116	.0125	.0132
.7	11	22	2	.0014	.0059	.0097	.0160	.0210	.0260	.0289	.0310
.7	11	22	4	.0013	.0066	.0124	.0261	.0411	.0582	.0683	.0754
.7	11	22	7	.0013	.0065	.0127	.0298	.0538	.0897	.1152	.1342
.7	11	22	11	.0012	.0059	.0118	.0287	.0547	.1001	.1380	.1700
.7	11	22	16	.0010	.0050	.0101	.0249	.0486	.0926	.1325	.1688
.7	11	22	22	.0008	.0040	.0080	.0190	.0394	.0766	.1116	.1448

Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.7	16	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.7	16	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	16	1	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	16	1	7	.0001	.0005	.0011	.0028	.0056	.0112	.0167	.0222
.7	16	1	11	.0009	.0045	.0089	.0223	.0441	.0862	.1263	.1647
.7	16	1	16	.0012	.0063	.0127	.0315	.0620	.1201	.1746	.2256
.7	16	1	22	.0010	.0053	.0107	.0267	.0526	.1025	.1498	.1946
.7	16	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	16	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	16	2	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	16	2	7	.0001	.0007	.0014	.0035	.0070	.0139	.0207	.0274
.7	16	2	11	.0009	.0046	.0092	.0228	.0451	.0879	.1285	.1671
.7	16	2	16	.0012	.0063	.0127	.0315	.0619	.1200	.1743	.2251
.7	16	2	22	.0010	.0053	.0107	.0266	.0525	.1023	.1494	.1940
.7	16	4	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	16	4	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	16	4	4	.0000	.0000	.0001	.0002	.0004	.0009	.0013	.0017
.7	16	4	7	.0002	.0013	.0027	.0067	.0133	.0258	.0376	.0488
.7	16	4	11	.0010	.0050	.0100	.0247	.0486	.0938	.1358	.1750
.7	16	4	16	.0012	.0063	.0126	.0314	.0617	.1192	.1727	.2227
.7	16	4	22	.0010	.0053	.0106	.0263	.0519	.1010	.1475	.1916
.7	16	7	1	.0000	.0002	.0004	.0005	.0007	.0008	.0009	.0010
.7	16	7	2	.0001	.0005	.0010	.0017	.0025	.0033	.0039	.0043
.7	16	7	4	.0002	.0013	.0025	.0056	.0097	.0156	.0199	.0233
.7	16	7	7	.0006	.0033	.0065	.0159	.0300	.0544	.0747	.0922
.7	16	7	11	.0011	.0057	.0115	.0282	.0549	.1037	.1473	.1865
.7	16	7	16	.0012	.0062	.0125	.0309	.0606	.1165	.1681	.2159
.7	16	7	22	.0010	.0051	.0102	.0254	.0502	.0977	.1426	.1851
.7	16	11	1	.0009	.0028	.0039	.0053	.0064	.0074	.0080	.0085
.7	16	11	2	.0009	.0038	.0063	.0106	.0141	.0176	.0197	.0213
.7	16	11	4	.0010	.0047	.0090	.0192	.0308	.0447	.0535	.0598
.7	16	11	7	.0011	.0057	.0112	.0265	.0484	.0826	.1083	.1284
.7	16	11	11	.0012	.0063	.0125	.0306	.0589	.1090	.1520	.1892
.7	16	11	16	.0011	.0059	.0118	.0292	.0572	.1095	.1573	.2011
.7	16	11	22	.0009	.0048	.0095	.0237	.0468	.0910	.1328	.1723
.7	16	16	1	.0012	.0040	.0055	.0075	.0090	.0104	.0112	.0118
.7	16	16	2	.0012	.0053	.0087	.0144	.0190	.0235	.0262	.0281
.7	16	16	4	.0012	.0060	.0113	.0239	.0378	.0538	.0633	.0701
.7	16	16	7	.0012	.0061	.0121	.0283	.0513	.0859	.1108	.1297
.7	16	16	11	.0011	.0059	.0117	.0286	.0546	.1002	.1386	.1713
.7	16	16	16	.0010	.0052	.0104	.0257	.0502	.0959	.1375	.1754
.7	16	16	22	.0008	.0042	.0084	.0209	.0413	.0804	.1173	.1522
.7	16	22	1	.0010	.0033	.0046	.0063	.0076	.0088	.0095	.0099
.7	16	22	2	.0010	.0044	.0073	.0121	.0160	.0198	.0220	.0235
.7	16	22	4	.0010	.0050	.0094	.0199	.0315	.0446	.0524	.0579
.7	16	22	7	.0010	.0050	.0099	.0232	.0419	.0700	.0900	.1051
.7	16	22	11	.0009	.0047	.0094	.0230	.0439	.0804	.1111	.1372
.7	16	22	16	.0008	.0042	.0084	.0207	.0405	.0774	.1110	.1417
.7	16	22	22	.0007	.0035	.0070	.0174	.0343	.0668	.0975	.1266

Table of  $P_{EK}(P_K, y_0/a, \sigma_A/a, \sigma_R/a, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
0.7	22	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
.7	22	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	1	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	1	7	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0002
.7	22	1	11	.0001	.0007	.0014	.0035	.0070	.0140	.0209	.0278
.7	22	1	16	.0005	.0026	.0052	.0131	.0261	.0516	.0764	.1005
.7	22	1	22	.0006	.0033	.0067	.0167	.0333	.0655	.0966	.1266
.7	22	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	2	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	2	7	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0003
.7	22	2	11	.0001	.0007	.0015	.0037	.0075	.0149	.0223	.0296
.7	22	2	16	.0005	.0026	.0053	.0132	.0263	.0520	.0769	.1011
.7	22	2	22	.0006	.0033	.0067	.0167	.0333	.0654	.0965	.1265
.7	22	4	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	4	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	4	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	4	7	.0000	.0000	.0000	.0002	.0004	.0008	.0012	.0016
.7	22	4	11	.0001	.0009	.0019	.0048	.0095	.0189	.0280	.0370
.7	22	4	16	.0005	.0027	.0055	.0137	.0272	.0536	.0791	.1038
.7	22	4	22	.0006	.0033	.0067	.0167	.0332	.0653	.0962	.1261
.7	22	7	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	7	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.7	22	7	4	.0000	.0000	.0000	.0001	.0002	.0005	.0006	.0008
.7	22	7	7	.0000	.0003	.0006	.0016	.0031	.0059	.0086	.0110
.7	22	7	11	.0003	.0015	.0030	.0075	.0149	.0289	.0423	.0550
.7	22	7	16	.0005	.0029	.0059	.0148	.0292	.0572	.0838	.1093
.7	22	7	22	.0006	.0033	.0067	.0166	.0330	.0648	.0954	.1247
.7	22	11	1	.0001	.0004	.0005	.0007	.0008	.0010	.0010	.0011
.7	22	11	2	.0001	.0006	.0010	.0017	.0023	.0030	.0034	.0036
.7	22	11	4	.0001	.0009	.0017	.0037	.0061	.0092	.0113	.0128
.7	22	11	7	.0003	.0015	.0029	.0070	.0131	.0232	.0313	.0380
.7	22	11	11	.0004	.0024	.0049	.0121	.0235	.0444	.0632	.0802
.7	22	11	16	.0006	.0032	.0065	.0161	.0317	.0613	.0891	.1152
.7	22	11	22	.0006	.0033	.0065	.0163	.0323	.0633	.0929	.1212
.7	22	16	1	.0005	.0016	.0022	.0031	.0037	.0043	.0046	.0048
.7	22	16	2	.0005	.0022	.0036	.0060	.0080	.0099	.0111	.0119
.7	22	16	4	.0005	.0026	.0049	.0104	.0166	.0238	.0283	.0314
.7	22	16	7	.0005	.0029	.0057	.0135	.0246	.0417	.0544	.0642
.7	22	16	11	.0006	.0032	.0064	.0157	.0301	.0559	.0780	.0972
.7	22	16	16	.0006	.0033	.0067	.0165	.0324	.0623	.0899	.1154
.7	22	16	22	.0006	.0031	.0062	.0154	.0305	.0595	.0872	.1136
.7	22	22	1	.0006	.0021	.0029	.0039	.0047	.0055	.0059	.0062
.7	22	22	2	.0006	.0028	.0046	.0076	.0100	.0124	.0138	.0148
.7	22	22	4	.0006	.0032	.0060	.0126	.0200	.0285	.0335	.0371
.7	22	22	7	.0006	.0033	.0064	.0151	.0274	.0460	.0594	.0696
.7	22	22	11	.0006	.0032	.0065	.0158	.0302	.0556	.0771	.0955
.7	22	22	16	.0006	.0031	.0062	.0153	.0299	.0572	.0823	.1054
.7	22	22	22	.0005	.0027	.0055	.0137	.0271	.0530	.0775	.1009

Table of  $P_{SK}(P_K, y_0/a, \sigma_A/a, \sigma_R/a, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
1.0	0	1	1	0.4656	0.8939	0.9611	0.9902	0.9965	0.9987	0.9993	0.9995
1.0	0	1	2	.2232	.7092	.9084	.9947	.9997	.9999	.9999	.9999
1.0	0	1	4	.0719	.3114	.5257	.8444	.9754	.9993	.9999	.9999
1.0	0	1	7	.0251	.1193	.2245	.4703	.7194	.9212	.9778	.9937
1.0	0	1	11	.0103	.0507	.0989	.2293	.4060	.6472	.7904	.8755
1.0	0	1	16	.0049	.0243	.0481	.1160	.2185	.3893	.5228	.6271
1.0	0	1	22	.0026	.0130	.0258	.0633	.1227	.2304	.3248	.4077
1.0	0	2	1	.2235	.5252	.6337	.7408	.8000	.8450	.8663	.8795
1.0	0	2	2	.1464	.5104	.7139	.8903	.9498	.9772	.9856	.9896
1.0	0	2	4	.0615	.2708	.4659	.7838	.9462	.9943	.9988	.9996
1.0	0	2	7	.0237	.1130	.2131	.4504	.6973	.9075	.9714	.9910
1.0	0	2	11	.0101	.0495	.0966	.2244	.3985	.6381	.7821	.8688
1.0	0	2	16	.0048	.0241	.0476	.1149	.2166	.3863	.5193	.6234
1.0	0	2	22	.0026	.0129	.0257	.0630	.1221	.2293	.3234	.4061
1.0	0	4	1	.0720	.1845	.2359	.2990	.3427	.3831	.4054	.4205
1.0	0	4	2	.0615	.2295	.3443	.4906	.5819	.6572	.6948	.7189
1.0	0	4	4	.0389	.1758	.3120	.5692	.7575	.8786	.9200	.9406
1.0	0	4	7	.0193	.0929	.1767	.3821	.6116	.8375	.9259	.9631
1.0	0	4	11	.0092	.0453	.0885	.2067	.3702	.6021	.7477	.8394
1.0	0	4	16	.0046	.0230	.0456	.1101	.2081	.3728	.5031	.6062
1.0	0	4	22	.0025	.0126	.0251	.0615	.1193	.2245	.3170	.3985
1.0	0	7	1	.0251	.0658	.0854	.1108	.1293	.1471	.1572	.1643
1.0	0	7	2	.0237	.0904	.1389	.2077	.2572	.3039	.3298	.3476
1.0	0	7	4	.0193	.0888	.1606	.3080	.4382	.5540	.6111	.6472
1.0	0	7	7	.0128	.0623	.1195	.2649	.4409	.6448	.7498	.8098
1.0	0	7	11	.0074	.0366	.0718	.1692	.3076	.5140	.6538	.7496
1.0	0	7	16	.0041	.0206	.0407	.0987	.1875	.3390	.4616	.5609
1.0	0	7	22	.0023	.0118	.0235	.0578	.1123	.2120	.3004	.3788
1.0	0	11	1	.0103	.0273	.0357	.0466	.0546	.0625	.0670	.0702
1.0	0	11	2	.0101	.0389	.0602	.0914	.1149	.1378	.1510	.1601
1.0	0	11	4	.0092	.0426	.0776	.1520	.2224	.2921	.3303	.3562
1.0	0	11	7	.0074	.0361	.0697	.1570	.2678	.4088	.4924	.5474
1.0	0	11	11	.0052	.0258	.0508	.1207	.2224	.3815	.4972	.5828
1.0	0	11	16	.0033	.0167	.0330	.0804	.1537	.2813	.3876	.4763
1.0	0	11	22	.0020	.0104	.0207	.0511	.0995	.1888	.2688	.3407
1.0	0	16	1	.0049	.0130	.0170	.0223	.0262	.0300	.0322	.0338
1.0	0	16	2	.0048	.0188	.0292	.0445	.0563	.0679	.0746	.0794
1.0	0	16	4	.0046	.0215	.0394	.0778	.1151	.1536	.1755	.1907
1.0	0	16	7	.0041	.0202	.0391	.0887	.1532	.2389	.2929	.3305
1.0	0	16	11	.0033	.0166	.0327	.0782	.1455	.2539	.3364	.4003
1.0	0	16	16	.0024	.0123	.0244	.0596	.1145	.2119	.2950	.3661
1.0	0	16	22	.0017	.0085	.0170	.0419	.0818	.1562	.2237	.2850
1.0	0	22	1	.0026	.0069	.0090	.0118	.0139	.0160	.0171	.0179
1.0	0	22	2	.0026	.0100	.0156	.0238	.0302	.0365	.0402	.0428
1.0	0	22	4	.0025	.0117	.0215	.0426	.0634	.0851	.0977	.1065
1.0	0	22	7	.0023	.0116	.0224	.0511	.0887	.1398	.1729	.1965
1.0	0	22	11	.0021	.0103	.0204	.0490	.0916	.1615	.2159	.2592
1.0	0	22	16	.0017	.0085	.0169	.0414	.0798	.1480	.2088	.2610
1.0	0	22	22	.0013	.0065	.0130	.0321	.0629	.1206	.1735	.2222

Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
1.0	1	1	1	0.3256	0.7300	0.8468	0.9329	0.9651	0.9821	0.9879	0.9909
1.0	1	1	2	.1874	.6286	.8441	.9776	.9967	.9996	.9998	.9999
1.0	1	1	4	.0680	.2964	.5044	.8252	.9682	.9987	.9999	.9999
1.0	1	1	7	.0246	.1171	.2205	.4636	.7121	.9169	.9759	.9930
1.0	1	1	11	.0102	.0503	.0981	.2276	.4035	.6441	.7877	.8733
1.0	1	1	16	.0049	.0243	.0480	.1157	.2181	.3886	.5220	.6263
1.0	1	1	22	.0026	.0129	.0258	.0633	.1226	.2301	.3245	.4073
1.0	1	2	1	.1876	.4521	.5543	.6620	.7256	.7767	.8018	.8179
1.0	1	2	2	.1305	.4623	.6572	.8434	.9174	.9570	.9708	.9778
1.0	1	2	4	.0586	.2591	.4479	.7029	.9332	.9906	.9975	.9990
1.0	1	2	7	.0232	.1110	.2096	.4440	.6899	.9025	.9688	.9898
1.0	1	2	11	.0100	.0491	.0959	.2228	.3960	.6350	.7794	.8665
1.0	1	2	16	.0048	.0240	.0474	.1145	.2159	.3852	.5179	.6219
1.0	1	2	22	.0025	.0129	.0256	.0629	.1219	.2289	.3229	.4054
1.0	1	4	1	.0680	.1747	.2237	.2841	.3262	.3652	.3867	.4014
1.0	1	4	2	.0586	.2191	.3293	.4711	.5608	.6357	.6734	.6978
1.0	1	4	4	.0377	.1707	.3033	.5553	.7424	.8659	.9096	.9317
1.0	1	4	7	.0190	.0916	.1742	.3771	.6050	.8311	.9211	.9595
1.0	1	4	11	.0091	.0450	.0879	.2054	.3680	.5992	.7448	.8368
1.0	1	4	16	.0046	.0229	.0454	.1097	.2074	.3717	.5016	.6048
1.0	1	4	22	.0025	.0126	.0250	.0614	.1191	.2241	.3165	.3979
1.0	1	7	1	.0246	.0645	.0838	.1087	.1268	.1444	.1543	.1613
1.0	1	7	2	.0232	.0888	.1364	.2040	.2529	.2989	.3245	.3420
1.0	1	7	4	.0190	.0875	.1582	.3037	.4324	.5474	.6042	.6402
1.0	1	7	7	.0127	.0617	.1183	.2624	.4370	.6399	.7448	.8050
1.0	1	7	11	.0074	.0364	.0714	.1683	.3060	.5116	.6511	.7469
1.0	1	7	16	.0041	.0205	.0406	.0984	.1869	.3381	.4604	.5596
1.0	1	7	22	.0023	.0118	.0235	.0577	.1121	.2116	.2999	.3782
1.0	1	11	1	.0102	.0271	.0354	.0462	.0542	.0620	.0665	.0696
1.0	1	11	2	.0100	.0386	.0597	.0907	.1140	.1368	.1498	.1589
1.0	1	11	4	.0091	.0423	.0771	.1510	.2209	.2902	.3282	.3540
1.0	1	11	7	.0074	.0359	.0693	.1561	.2663	.4067	.4900	.5448
1.0	1	11	11	.0052	.0257	.0506	.1202	.2215	.3801	.4955	.5809
1.0	1	11	16	.0033	.0166	.0330	.0802	.1533	.2807	.3867	.4752
1.0	1	11	22	.0020	.0104	.0207	.0510	.0994	.1885	.2684	.3402
1.0	1	16	1	.0049	.0130	.0170	.0222	.0261	.0299	.0321	.0336
1.0	1	16	2	.0048	.0187	.0290	.0444	.0561	.0677	.0744	.0791
1.0	1	16	4	.0046	.0215	.0392	.0775	.1147	.1531	.1749	.1900
1.0	1	16	7	.0041	.0201	.0390	.0885	.1527	.2381	.2920	.3295
1.0	1	16	11	.0033	.0165	.0326	.0780	.1451	.2533	.3355	.3994
1.0	1	16	16	.0024	.0122	.0243	.0594	.1143	.2115	.2944	.3655
1.0	1	16	22	.0017	.0085	.0170	.0418	.0817	.1560	.2234	.2847
1.0	1	22	1	.0026	.0069	.0090	.0118	.0139	.0159	.0171	.0179
1.0	1	22	2	.0025	.0100	.0155	.0238	.0301	.0365	.0401	.0427
1.0	1	22	4	.0025	.0117	.0214	.0425	.0632	.0850	.0975	.1063
1.0	1	22	7	.0023	.0115	.0224	.0510	.0886	.1395	.1726	.1961
1.0	1	22	11	.0020	.0103	.0204	.0489	.0915	.1612	.2156	.2588
1.0	1	22	16	.0017	.0085	.0169	.0413	.0797	.1487	.2085	.2607
1.0	1	22	22	.0013	.0065	.0130	.0321	.0628	.1205	.1734	.2220

Table of  $P_{\alpha}(P_{\alpha}, y_{\alpha}, \sigma_{\alpha}, N)$ —Continued

$P_{\alpha}$	$y_{\alpha}/\sigma$	$\sigma_{\alpha}/\sigma$	$\sigma_{\alpha}/\sigma$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
1.0	2	1	1	0.1071	0.3292	0.4552	0.6148	0.7163	0.7977	0.8358	0.8591
1.0	2	1	2	.1109	.4212	.6338	.8679	.9558	.9901	.9950	.9974
1.0	2	1	4	.0574	.2551	.4436	.7613	.9403	.9961	.9994	.9999
1.0	2	1	7	.0232	.1107	.2091	.4136	.6900	.9034	.9697	.9901
1.0	2	1	11	.0100	.0491	.0959	.2228	.3950	.6350	.7794	.8667
1.0	2	1	16	.0048	.0239	.0474	.1143	.2156	.3847	.5173	.6214
1.0	2	1	22	.0025	.0129	.0256	.0628	.1218	.2287	.3227	.4052
1.0	2	2	1	.1109	.2860	.3661	.4631	.5282	.5864	.6173	.6379
1.0	2	2	2	.0925	.3120	.5076	.7033	.8081	.8794	.9090	.9258
1.0	2	2	4	.0507	.2267	.3974	.7006	.8002	.9070	.9510	.9658
1.0	2	2	7	.0220	.1052	.1991	.4251	.6677	.8860	.9604	.9857
1.0	2	2	11	.0098	.0480	.0937	.2182	.3886	.6259	.7709	.8596
1.0	2	2	16	.0047	.0237	.0469	.1132	.2137	.3817	.5138	.6176
1.0	2	2	22	.0025	.0128	.0255	.0625	.1212	.2277	.3213	.4035
1.0	2	4	1	.0574	.1484	.1907	.2437	.2810	.3161	.3356	.3490
1.0	2	4	2	.0507	.1906	.2882	.4172	.5018	.5717	.6125	.6373
1.0	2	4	4	.0344	.1563	.2787	.5155	.6984	.8280	.8776	.9010
1.0	2	4	7	.0182	.0876	.1609	.3627	.5852	.8120	.9002	.9486
1.0	2	4	11	.0089	.0440	.0861	.2013	.3614	.5904	.7390	.8290
1.0	2	4	16	.0045	.0227	.0449	.1086	.2053	.3684	.5078	.6006
1.0	2	4	22	.0025	.0125	.0249	.0611	.1184	.2229	.3149	.3990
1.0	2	7	1	.0232	.0609	.0791	.1026	.1198	.1365	.1459	.1525
1.0	2	7	2	.0220	.0640	.0792	.1035	.1202	.1363	.1489	.1559
1.0	2	7	4	.0182	.0836	.1513	.2910	.4155	.5278	.6299	.6997
1.0	2	7	7	.0123	.0598	.1149	.2551	.4256	.6254	.7299	.7997
1.0	2	7	11	.0072	.0358	.0702	.1655	.3012	.5015	.6431	.7388
1.0	2	7	16	.0041	.0203	.0402	.0975	.1852	.3353	.5099	.6556
1.0	2	7	22	.0023	.0117	.0233	.0574	.1115	.2106	.3985	.5755
1.0	2	11	1	.0100	.0265	.0315	.0451	.0529	.0605	.0649	.0680
1.0	2	11	2	.0098	.0377	.0583	.0886	.1114	.1337	.1465	.1551
1.0	2	11	4	.0089	.0414	.0754	.1478	.2464	.3845	.5219	.6473
1.0	2	11	7	.0072	.0353	.0681	.1535	.2620	.4001	.5828	.7371
1.0	2	11	11	.0051	.0254	.0499	.1188	.2189	.3759	.5903	.7752
1.0	2	11	16	.0033	.0165	.0327	.0796	.1521	.2787	.4811	.6722
1.0	2	11	22	.0020	.0103	.0206	.0508	.0989	.1876	.3262	.5387
1.0	2	16	1	.0048	.0128	.0168	.0219	.0258	.0296	.0317	.0332
1.0	2	16	2	.0048	.0185	.0287	.0439	.0554	.0669	.0735	.0782
1.0	2	16	4	.0046	.0212	.0388	.0767	.1135	.1515	.1731	.1881
1.0	2	16	7	.0041	.0199	.0386	.0876	.1512	.2359	.3894	.5296
1.0	2	16	11	.0033	.0164	.0324	.0774	.1440	.2514	.4331	.6065
1.0	2	16	16	.0024	.0122	.0242	.0591	.1136	.2103	.3928	.5636
1.0	2	16	22	.0017	.0085	.0169	.0417	.0814	.1554	.2225	.3836
1.0	2	22	1	.0025	.0068	.0089	.0117	.0138	.0158	.0170	.0178
1.0	2	22	2	.0025	.0099	.0154	.0237	.0300	.0362	.0399	.0425
1.0	2	22	4	.0025	.0116	.0213	.0423	.0629	.0845	.0999	.1057
1.0	2	22	7	.0023	.0115	.0222	.0507	.0881	.1388	.1717	.1951
1.0	2	22	11	.0020	.0103	.0203	.0487	.0910	.1605	.2145	.2575
1.0	2	22	16	.0017	.0084	.0168	.0412	.0794	.1481	.2077	.2597
1.0	2	22	22	.0013	.0065	.0129	.0320	.0626	.1201	.1729	.2213



Table of  $P_{NK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/n$	$\sigma_A/n$	$\sigma_R/n$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
1.0	4	1	1	0.0009	0.0042	0.0078	0.0166	0.0278	0.0441	0.0564	0.0665
1.0	4	1	2	.0133	.0625	.1163	.2417	.3812	.5431	.6368	.6988
1.0	4	1	4	.0291	.1366	.2527	.5089	.7451	.9214	.9718	.9886
1.0	4	1	7	.0183	.0882	.1685	.3691	.6009	.8388	.9341	.9727
1.0	4	1	11	.0090	.0446	.0873	.2042	.3666	.5986	.7455	.8386
1.0	4	1	16	.0046	.0229	.0453	.1094	.2068	.3709	.5010	.6041
1.0	4	1	22	.0025	.0125	.0250	.0613	.1190	.2238	.3162	.3976
1.0	4	2	1	.0133	.0418	.0606	.0905	.1163	.1443	.1616	.1741
1.0	4	2	2	.0232	.0970	.1621	.2786	.3800	.4833	.5415	.5811
1.0	4	2	4	.0284	.1317	.2408	.4733	.6829	.8514	.9149	.9452
1.0	4	2	7	.0175	.0848	.1620	.3554	.5803	.8166	.9164	.9603
1.0	4	2	11	.0089	.0437	.0855	.2003	.3601	.5898	.7365	.8304
1.0	4	2	16	.0045	.0227	.0448	.1084	.2051	.3681	.4976	.6005
1.0	4	2	22	.0025	.0125	.0248	.0610	.1184	.2228	.3148	.3960
1.0	4	4	1	.0291	.0770	.1096	.1314	.1543	.1765	.1893	.1982
1.0	4	4	2	.0284	.1000	.1685	.2548	.3183	.3787	.4124	.4355
1.0	4	4	4	.0238	.1095	.1981	.3803	.5406	.6796	.7446	.7837
1.0	4	4	7	.0151	.0732	.1403	.3095	.5108	.7350	.8423	.8984
1.0	4	4	11	.0082	.0404	.0791	.1858	.3360	.5560	.7008	.7968
1.0	4	4	16	.0043	.0217	.0430	.1041	.1973	.3554	.4821	.5837
1.0	4	4	22	.0024	.0122	.0243	.0597	.1158	.2182	.3087	.3887
1.0	4	7	1	.0183	.0482	.0627	.0816	.0955	.1089	.1166	.1220
1.0	4	7	2	.0176	.0674	.1039	.1566	.1955	.2328	.2538	.2684
1.0	4	7	4	.0151	.0698	.1267	.2455	.3540	.4559	.5088	.5433
1.0	4	7	7	.0109	.0530	.1020	.2277	.3828	.5700	.6724	.7347
1.0	4	7	11	.0067	.0334	.0655	.1549	.2828	.4770	.6119	.7068
1.0	4	7	16	.0039	.0195	.0387	.0939	.1786	.3242	.4430	.5400
1.0	4	7	22	.0023	.0115	.0228	.0562	.1092	.2063	.2927	.3696
1.0	4	11	1	.0091	.0240	.0313	.0409	.0481	.0550	.0590	.0618
1.0	4	11	2	.0089	.0342	.0531	.0807	.1016	.1220	.1338	.1420
1.0	4	11	4	.0082	.0380	.0692	.1358	.1992	.2627	.2977	.3216
1.0	4	11	7	.0067	.0329	.0636	.1434	.2452	.3761	.4548	.5073
1.0	4	11	11	.0049	.0242	.0476	.1132	.2090	.3597	.4704	.5531
1.0	4	11	16	.0032	.0160	.0317	.0771	.1476	.2707	.3737	.4600
1.0	4	11	22	.0020	.0101	.0202	.0498	.0970	.1842	.2625	.3330
1.0	4	16	1	.0046	.0122	.0160	.0210	.0246	.0282	.0303	.0317
1.0	4	16	2	.0045	.0176	.0274	.0419	.0530	.0639	.0703	.0748
1.0	4	16	4	.0044	.0203	.0372	.0734	.1087	.1452	.1660	.1804
1.0	4	16	7	.0039	.0192	.0371	.0843	.1456	.2273	.2790	.3151
1.0	4	16	11	.0032	.0159	.0314	.0750	.1396	.2440	.3235	.3834
1.0	4	16	16	.0024	.0119	.0236	.0578	.1111	.2057	.2866	.3560
1.0	4	16	22	.0016	.0083	.0166	.0410	.0801	.1530	.2192	.2795
1.0	4	22	1	.0025	.0067	.0087	.0114	.0135	.0154	.0166	.0174
1.0	4	22	2	.0025	.0097	.0151	.0231	.0292	.0354	.0389	.0414
1.0	4	22	4	.0024	.0114	.0208	.0413	.0644	.0825	.0947	.1033
1.0	4	22	7	.0023	.0112	.0218	.0496	.0861	.1358	.1680	.1909
1.0	4	22	11	.0020	.0101	.0199	.0477	.0893	.1574	.2165	.2528
1.0	4	22	16	.0016	.0083	.0165	.0405	.0782	.1458	.2045	.2558
1.0	4	22	22	.0012	.0064	.0128	.0316	.0619	.1187	.1708	.2188

Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
1.0	7	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.0	7	1	2	.0000	.0001	.0003	.0008	.0017	.0034	.0051	.0067
1.0	7	1	4	.0045	.0222	.0438	.1048	.1953	.3426	.4559	.5447
1.0	7	1	7	.0095	.0468	.0913	.2124	.3783	.6100	.7532	.8425
1.0	7	1	11	.0069	.0342	.0674	.1600	.2912	.5015	.6475	.7505
1.0	7	1	16	.0040	.0202	.0400	.0970	.1846	.3352	.4578	.5579
1.0	7	1	22	.0023	.0117	.0234	.0575	.1117	.2109	.2991	.3774
1.0	7	2	1	.0000	.0001	.0002	.0004	.0006	.0010	.0012	.0014
1.0	7	2	2	.0005	.0024	.0046	.0102	.0178	.0295	.0387	.0465
1.0	7	2	4	.0057	.0280	.0544	.1247	.2194	.3555	.4496	.5194
1.0	7	2	7	.0095	.0465	.0906	.2096	.3703	.5914	.7275	.8137
1.0	7	2	11	.0068	.0337	.0664	.1576	.2899	.4941	.6385	.7408
1.0	7	2	16	.0040	.0200	.0396	.0962	.1830	.3324	.4543	.5538
1.0	7	2	22	.0023	.0117	.0232	.0572	.1111	.2099	.2976	.3757
1.0	7	4	1	.0044	.0126	.0171	.0236	.0288	.0343	.0377	.0401
1.0	7	4	2	.0057	.0232	.0377	.0628	.0853	.1102	.1258	.1373
1.0	7	4	4	.0086	.0409	.0762	.1583	.2482	.3527	.4159	.4604
1.0	7	4	7	.0091	.0447	.0867	.1976	.3428	.5352	.6522	.7284
1.0	7	4	11	.0064	.0319	.0627	.1488	.2737	.4673	.6053	.7047
1.0	7	4	16	.0038	.0193	.0382	.0928	.1768	.3217	.4406	.5381
1.0	7	4	22	.0023	.0114	.0227	.0560	.1088	.2057	.2920	.3689
1.0	7	7	1	.0095	.0253	.0331	.0434	.0510	.0586	.0629	.0660
1.0	7	7	2	.0095	.0367	.0571	.0874	.1108	.1340	.1475	.1570
1.0	7	7	4	.0091	.0425	.0777	.1534	.2270	.3025	.3450	.3742
1.0	7	7	7	.0078	.0381	.0736	.1663	.2850	.4386	.5312	.5927
1.0	7	7	11	.0055	.0275	.0542	.1288	.2375	.4076	.5312	.6224
1.0	7	7	16	.0035	.0175	.0348	.0846	.1615	.2953	.4063	.4986
1.0	7	7	22	.0021	.0108	.0215	.0529	.1029	.1951	.2775	.3513
1.0	7	11	1	.0069	.0184	.0240	.0314	.0369	.0422	.0453	.0475
1.0	7	11	2	.0068	.0264	.0409	.0624	.0788	.0949	.1042	.1108
1.0	7	11	4	.0064	.0299	.0546	.1076	.1587	.2108	.2402	.2604
1.0	7	11	7	.0055	.0271	.0525	.1188	.2043	.3164	.3857	.4330
1.0	7	11	11	.0042	.0211	.0416	.0991	.1837	.3185	.4192	.4958
1.0	7	11	16	.0029	.0146	.0291	.0708	.1358	.2501	.3464	.4280
1.0	7	11	22	.0019	.0096	.0191	.0472	.0920	.1751	.2500	.3177
1.0	7	16	1	.0040	.0108	.0141	.0184	.0217	.0249	.0267	.0280
1.0	7	16	2	.0040	.0155	.0242	.0370	.0468	.0565	.0621	.0661
1.0	7	16	4	.0039	.0180	.0320	.0652	.0966	.1292	.1479	.1610
1.0	7	16	7	.0035	.0172	.0333	.0758	.1311	.2052	.2525	.2856
1.0	7	16	11	.0029	.0146	.0288	.0688	.1282	.2246	.2986	.3564
1.0	7	16	16	.0022	.0112	.0222	.0542	.1043	.1935	.2701	.3361
1.0	7	16	22	.0016	.0080	.0159	.0392	.0767	.1466	.2103	.2684
1.0	7	22	1	.0023	.0062	.0082	.0107	.0126	.0144	.0155	.0162
1.0	7	22	2	.0023	.0090	.0141	.0216	.0273	.0331	.0364	.0388
1.0	7	22	4	.0023	.0106	.0195	.0387	.0575	.0773	.0888	.0969
1.0	7	22	7	.0021	.0105	.0205	.0406	.0810	.1278	.1583	.1800
1.0	7	22	11	.0019	.0095	.0188	.0452	.0846	.1493	.1998	.2401
1.0	7	22	16	.0016	.0079	.0158	.0387	.0748	.1306	.1960	.2453
1.0	7	22	22	.0012	.0062	.0123	.0305	.0598	.1148	.1653	.2118



Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
1.0	11	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.0	11	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	11	1	4	.0000	.0003	.0007	.0019	.0037	.0075	.0113	.0150
1.0	11	1	7	.0023	.0114	.0228	.0560	.1085	.2043	.2888	.3636
1.0	11	1	11	.0038	.0192	.0380	.0923	.1759	.3205	.4392	.5369
1.0	11	1	16	.0030	.0153	.0304	.0742	.1430	.2655	.3704	.4602
1.0	11	1	22	.0020	.0101	.0202	.0497	.0971	.1847	.2639	.3353
1.0	11	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	11	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	11	2	4	.0001	.0008	.0017	.0043	.0085	.0166	.0244	.0317
1.0	11	2	7	.0024	.0123	.0245	.0597	.1147	.2121	.2954	.3672
1.0	11	2	11	.0038	.0191	.0379	.0920	.1751	.3180	.4348	.5305
1.0	11	2	16	.0030	.0152	.0302	.0738	.1421	.2638	.3680	.4572
1.0	11	2	22	.0020	.0101	.0201	.0495	.0966	.1839	.2627	.3339
1.0	11	4	1	.0000	.0001	.0002	.0004	.0005	.0007	.0008	.0008
1.0	11	4	2	.0001	.0007	.0013	.0025	.0038	.0056	.0069	.0079
1.0	11	4	4	.0009	.0046	.0090	.0206	.0364	.0607	.0794	.0948
1.0	11	4	7	.0030	.0151	.0298	.0710	.1318	.2305	.3074	.3692
1.0	11	4	11	.0038	.0190	.0375	.0908	.1717	.3086	.4187	.5078
1.0	11	4	16	.0029	.0148	.0294	.0720	.1386	.2570	.3584	.4452
1.0	11	4	22	.0019	.0099	.0197	.0486	.0949	.1807	.2583	.3283
1.0	11	7	1	.0023	.0062	.0082	.0109	.0130	.0151	.0163	.0171
1.0	11	7	2	.0024	.0097	.0154	.0244	.0318	.0397	.0445	.0479
1.0	11	7	4	.0030	.0145	.0266	.0545	.0846	.1198	.1421	.1585
1.0	11	7	7	.0037	.0185	.0359	.0831	.1474	.2403	.3047	.3527
1.0	11	7	11	.0036	.0181	.0358	.0860	.1612	.2855	.3830	.4605
1.0	11	7	16	.0028	.0139	.0275	.0673	.1295	.2401	.3348	.4159
1.0	11	7	22	.0018	.0094	.0188	.0463	.0905	.1724	.2466	.3139
1.0	11	11	1	.0038	.0102	.0134	.0175	.0207	.0237	.0255	.0267
1.0	11	11	2	.0038	.0149	.0232	.0356	.0452	.0548	.0604	.0644
1.0	11	11	4	.0038	.0177	.0325	.0647	.0965	.1302	.1499	.1638
1.0	11	11	7	.0036	.0178	.0346	.0788	.1370	.2164	.2680	.3048
1.0	11	11	11	.0031	.0157	.0310	.0742	.1386	.2436	.3248	.3888
1.0	11	11	16	.0024	.0121	.0240	.0588	.1131	.2100	.2931	.3647
1.0	11	11	22	.0017	.0085	.0170	.0420	.0820	.1567	.2246	.2864
1.0	11	16	1	.0030	.0081	.0106	.0140	.0164	.0188	.0202	.0212
1.0	11	16	2	.0030	.0118	.0184	.0281	.0356	.0431	.0474	.0505
1.0	11	16	4	.0029	.0138	.0253	.0502	.0747	.1003	.1151	.1255
1.0	11	16	7	.0028	.0136	.0264	.0600	.1042	.1641	.2029	.2304
1.0	11	16	11	.0024	.0120	.0238	.0570	.1065	.1876	.2505	.3003
1.0	11	16	16	.0019	.0097	.0193	.0472	.0910	.1694	.2372	.2961
1.0	11	16	22	.0014	.0072	.0144	.0356	.0698	.1336	.1920	.2456
1.0	11	22	1	.0020	.0054	.0070	.0092	.0108	.0124	.0133	.0140
1.0	11	22	2	.0020	.0078	.0121	.0186	.0236	.0286	.0315	.0335
1.0	11	22	4	.0019	.0092	.0169	.0335	.0499	.0672	.0772	.0842
1.0	11	22	7	.0019	.0092	.0179	.0408	.0710	.1121	.1390	.1583
1.0	11	22	11	.0017	.0085	.0167	.0402	.0752	.1330	.1784	.2147
1.0	11	22	16	.0014	.0072	.0143	.0352	.0680	.1271	.1786	.2238
1.0	11	22	22	.0011	.0057	.0115	.0284	.0556	.1068	.1540	.1975

Table of  $P_{SK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
1.0	16	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.0	16	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	16	1	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	16	1	7	.0001	.0008	.0016	.0040	.0080	.0159	.0238	.0316
1.0	16	1	11	.0012	.0064	.0128	.0317	.0624	.1207	.1753	.2264
1.0	16	1	16	.0018	.0091	.0181	.0447	.0874	.1671	.2397	.3059
1.0	16	1	22	.0015	.0077	.0153	.0379	.0744	.1432	.2070	.2659
1.0	16	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	16	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	16	2	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	16	2	7	.0002	.0010	.0020	.0050	.0099	.0197	.0293	.0388
1.0	16	2	11	.0013	.0065	.0131	.0324	.0637	.1229	.1778	.2289
1.0	16	2	16	.0018	.0091	.0181	.0447	.0873	.1668	.2391	.3050
1.0	16	2	22	.0015	.0076	.0153	.0378	.0742	.1429	.2064	.2652
1.0	16	4	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	16	4	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	16	4	4	.0000	.0000	.0001	.0003	.0006	.0013	.0018	.0023
1.0	16	4	7	.0003	.0019	.0038	.0096	.0187	.0360	.0519	.0668
1.0	16	4	11	.0014	.0071	.0142	.0351	.0684	.1301	.1858	.2364
1.0	16	4	16	.0018	.0090	.0180	.0445	.0868	.1654	.2364	.3007
1.0	16	4	22	.0015	.0075	.0151	.0373	.0733	.1411	.2037	.2617
1.0	16	7	1	.0001	.0003	.0004	.0006	.0008	.0009	.0010	.0011
1.0	16	7	2	.0001	.0008	.0012	.0021	.0029	.0038	.0044	.0048
1.0	16	7	4	.0003	.0018	.0035	.0076	.0125	.0194	.0243	.0281
1.0	16	7	7	.0009	.0047	.0093	.0221	.0411	.0721	.0969	.1175
1.0	16	7	11	.0016	.0082	.0163	.0399	.0765	.1414	.1971	.2454
1.0	16	7	16	.0018	.0089	.0178	.0438	.0851	.1611	.2290	.2898
1.0	16	7	22	.0014	.0073	.0146	.0361	.0709	.1364	.1968	.2526
1.0	16	11	1	.0012	.0034	.0045	.0059	.0069	.0080	.0086	.0090
1.0	16	11	2	.0013	.0051	.0080	.0124	.0159	.0195	.0217	.0232
1.0	16	11	4	.0014	.0067	.0123	.0248	.0378	.0525	.0615	.0680
1.0	16	11	7	.0016	.0081	.0158	.0364	.0645	.1051	.1335	.1551
1.0	16	11	11	.0018	.0090	.0178	.0431	.0814	.1463	.1991	.2427
1.0	16	11	16	.0017	.0085	.0169	.0414	.0802	.1507	.2130	.2681
1.0	16	11	22	.0013	.0068	.0136	.0337	.0661	.1270	.1832	.2350
1.0	16	16	1	.0018	.0048	.0063	.0083	.0097	.0112	.0120	.0126
1.0	16	16	2	.0018	.0070	.0109	.0168	.0214	.0259	.0286	.0304
1.0	16	16	4	.0018	.0084	.0154	.0308	.0460	.0623	.0718	.0785
1.0	16	16	7	.0018	.0087	.0170	.0388	.0678	.1078	.1344	.1537
1.0	16	16	11	.0017	.0084	.0166	.0401	.0752	.1336	.1799	.2173
1.0	16	16	16	.0015	.0074	.0148	.0364	.0704	.1318	.1857	.2332
1.0	16	16	22	.0012	.0060	.0120	.0298	.0584	.1122	.1618	.2077
1.0	16	22	1	.0015	.0040	.0053	.0070	.0082	.0094	.0101	.0106
1.0	16	22	2	.0015	.0059	.0092	.0141	.0179	.0217	.0239	.0255
1.0	16	22	4	.0015	.0070	.0129	.0256	.0382	.0516	.0593	.0648
1.0	16	22	7	.0014	.0071	.0139	.0317	.0553	.0876	.1090	.1244
1.0	16	22	11	.0013	.0068	.0134	.0322	.0604	.1071	.1441	.1739
1.0	16	22	16	.0012	.0060	.0120	.0294	.0568	.1065	.1500	.1885
1.0	16	22	22	.0010	.0050	.0100	.0247	.0484	.0932	.1347	.1731

Table of  $P_{NK}(P_K, y_0, \sigma_A, \sigma_R, N)$ —Continued

$P_K$	$y_0/a$	$\sigma_A/a$	$\sigma_R/a$	$N=1$	$N=5$	$N=10$	$N=25$	$N=50$	$N=100$	$N=150$	$N=200$
1.0	22	1	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.0	22	1	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	1	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	1	7	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0003
1.0	22	1	11	.0002	.0010	.0020	.0050	.0190	.0199	.0297	.0394
1.0	22	1	16	.0007	.0037	.0075	.0187	.0371	.0729	.1073	.1404
1.0	22	1	22	.0009	.0048	.0096	.0239	.0472	.0922	.1350	.1759
1.0	22	2	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	2	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	2	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	2	7	.0000	.0000	.0000	.0000	.0001	.0002	.0004	.0005
1.0	22	2	11	.0002	.0010	.0021	.0053	.0107	.0213	.0317	.0420
1.0	22	2	16	.0007	.0038	.0076	.0189	.0374	.0734	.1079	.1411
1.0	22	2	22	.0009	.0048	.0096	.0239	.0472	.0921	.1349	.1757
1.0	22	4	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	4	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	4	4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	4	7	.0000	.0000	.0001	.0002	.0005	.0011	.0017	.0023
1.0	22	4	11	.0002	.0013	.0027	.0068	.0135	.0268	.0396	.0521
1.0	22	4	16	.0007	.0039	.0078	.0195	.0387	.0755	.1107	.1442
1.0	22	4	22	.0009	.0048	.0096	.0238	.0471	.0919	.1345	.1749
1.0	22	7	1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	7	2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.0	22	7	4	.0000	.0000	.0000	.0002	.0003	.0006	.0009	.0011
1.0	22	7	7	.0000	.0001	.0009	.0022	.0044	.0082	.0117	.0149
1.0	22	7	11	.0001	.0021	.0043	.0107	.0210	.0404	.0585	.0753
1.0	22	7	16	.0008	.0042	.0085	.0210	.0414	.0801	.1164	.1504
1.0	22	7	22	.0009	.0048	.0095	.0237	.0468	.0911	.1330	.1726
1.0	22	11	1	.0001	.0004	.0006	.0008	.0009	.0011	.0011	.0012
1.0	22	11	2	.0002	.0008	.0013	.0020	.0027	.0033	.0037	.0040
1.0	22	11	4	.0002	.0012	.0023	.0049	.0077	.0110	.0133	.0149
1.0	22	11	7	.0001	.0021	.0041	.0098	.0178	.0303	.0398	.0475
1.0	22	11	11	.0007	.0035	.0070	.0171	.0328	.0607	.0848	.1058
1.0	22	11	16	.0009	.0046	.0092	.0228	.0446	.0853	.1224	.1565
1.0	22	11	22	.0009	.0047	.0093	.0232	.0458	.0887	.1291	.1670
1.0	22	16	1	.0007	.0020	.0026	.0034	.0040	.0046	.0049	.0051
1.0	22	16	2	.0007	.0029	.0046	.0070	.0090	.0109	.0121	.0129
1.0	22	16	4	.0007	.0036	.0067	.0134	.0203	.0278	.0323	.0355
1.0	22	16	7	.0008	.0041	.0080	.0186	.0327	.0529	.0668	.0772
1.0	22	16	11	.0009	.0046	.0091	.0226	.0417	.0751	.1023	.1251
1.0	22	16	16	.0009	.0048	.0095	.0234	.0455	.0861	.1224	.1550
1.0	22	16	22	.0008	.0044	.0088	.0219	.0431	.0834	.1210	.1561
1.0	22	22	1	.0009	.0025	.0033	.0043	.0051	.0059	.0063	.0066
1.0	22	22	2	.0009	.0037	.0058	.0089	.0113	.0137	.0151	.0160
1.0	22	22	4	.0009	.0044	.0082	.0165	.0243	.0330	.0380	.0416
1.0	22	22	7	.0009	.0046	.0090	.0207	.0362	.0578	.0722	.0827
1.0	22	22	11	.0009	.0046	.0092	.0221	.0417	.0743	.1004	.1217
1.0	22	22	16	.0008	.0044	.0088	.0216	.0419	.0789	.1117	.1408
1.0	22	22	22	.0007	.0039	.0079	.0195	.0384	.0741	.1074	.1384